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> > Executive Director

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Deputy Executive Director, Policy

ANDREW B. FREMIER
Deputy Executive Director, Operations

June 4, 2015

Addendum No. 2

To

Invitation For Bid (IFB)
I-680 Express Lanes Project
In Alameda and Contra Costa Counties on Route 680 PM
R20.1/21.9, R0.0/14.0

Dated April 28, 2015, as amended May 19, 2015.

#### Dear Bidder:

This letter is Addendum No. 2 to the Invitation for Bid I-680 Express Lanes Project, dated April 28, 2015 ("IFB"), as amended May 19, 2015. Where text is revised, deleted text is shown in strike-through format; added text is *italicized*. The RFP is revised as follows:

	Reference	<u>Change</u>			
<u>Item</u>					
1.	IFB, Part 1,	Bid Submission & Bid Opening			
	Notice to		their bids in sealed envelopes no		
	Bidders,		une 512, 2015. Bids received after		
	Bid		e considered. All bids must be		
	Submission,	_	the enclosed Bid Forms, in Part 5		
	Page 9		<b>nsidered.</b> Bid Opening is open to		
		=	he due date and time listed above at		
			ph P. Bort Metro Center, 101 Eighth		
		St, Oakland CA, 94607, in the	Fishbowl Conference Room		
2.	IFB, Part 1,	Bidder Selection Timetable			
	Notice to		Mandatary Dra Did Conforma		
	Bidders,	10:00 a.m. PST,	Mandatory Pre-Bid Conference		
	BAIFA	Wednesday, May 20, 2015			
	Bidder	8:00 a.m. PST,	Deadline for requests for		
	Selection Time Table,	Wednesday, May 27, 2015	clarification or exception		
	Page 11	4:00 p.m. PST, Friday,	Closing date & time for		
		June 5 <i>12</i> , 2015	receipt of bids & bid opening		
		Wednesday, June 17, 2015	BAIFA consideration of		
			recommendation for award		
		Wednesday, June 24, 2015*	Issuance of Notice of Award		
	* Award and approval dates are approximates and are su change before or after the closing date of the IFB.				

Addendum	Reference	Change			
<u>Item</u>	=========				
3.	IFB, Part 3, Instructions to Bidders,		ntions n to the Section 1-1.06, Abbreviations, of the Standard nch abbreviation signifies the following:		
	Abbreviations,	Abbreviation	Term		
	Page 23	AAN	American Association of Nurserymen.		
		АРНА	American Public Health Association.		
		API	American Petroleum Institute.		
		AREA	American Railway Engineering Association.		
		ASTM	American Society for Testing and Materials.		
		NECA	Standards for Construction		
		NESC	National Electrical Safety Code		
		TSI	Toll System Integrator		
4.	IFB, Part 5, <u>Bid</u> Forms, Bid Form #1, Pages 43 - 49	with the revised Bid Form #1 below.			
5.	IFB, Part 5, Bid Forms, Bid Form #7, Pages 57 - 60	its entirety and replaced with the revised Bid Form #9 below.			
6.	IFB, Part 6, Special Conditions, SC- 2, Insurance, Pages 62 – 66		al Conditions, SC-2, Insurance, Page 62 – 66 is deleted in its ced with SC-2, Insurance below.		

7. IFB, Part 6,
Special
Conditions, SC7, Permits and
Fees, Page 71

# The following paragraphs of SC-7 Permits and Fees are revised as follows:

#### **City of San Ramon Permit**

Apply for a City of San Ramon construction encroachment permit in your name within two (2) working days after the Notice to Proceed. You are responsible for preparing all necessary documents and all fees associated with getting the permit,  $See\ Appendix\ D-San\ Ramon\ Encroachment\ Permit\ Application$ .

Prior to Encroachment Permit issuance, you are responsible to submit a funding deposit of *twenty thousand dollars* (\$20,000) to pay for City staff time associated with the review of plans for the project, review of the Work, Action Plan, City engineering and inspection services during construction. The deposit will be used by the City as a draw-down account and you will replenish the account when funds are low. *Any unused funds from the draw down account will be refunded to the Contractor*.

#### **Town of Danville Permit**

Apply for a Town of Danville construction encroachment permit in your name within two (2) working days after the Notice to Proceed. You are responsible for preparing all necessary documents and all fees associated with getting the permit, See Appendix E – Town of Danville Encroachment Permit Application.

# **Contra Costa County Permit**

Apply for a Contra Costa County construction encroachment permit in your name within two (2) working days after the Notice to Proceed. You are responsible for preparing all necessary documents and all fees associated with getting the permit,  $See\ Appendix\ F-Contra\ Costa\ County\ Encroachment\ Permit\ Application.$ 

8. IFB, Part 7,
General
Conditions,
GC-10,
Conflicts of
Interest, page,
96

# **GC-10 Conflicts of Interest**

The following paragraphs are added as the first two paragraphs in GC-10:

Covenant that Contractor presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree or have the potential of conflicting with the performance of the services required on the Contract. Contractor further covenants that in the performance of the Contract no person having any such interest shall be employed.

No member, officer, employee or agent of BAIFA, during his/her tenure shall have any prohibited interest as defined by California Government Code Sections 1090, et seq. and 87100 et seq., direct or indirect, in the Contract or the proceeds thereof. Prohibited interests include interests of immediate family members, domestic partners, and their employers or prospective employers. Accordingly, Contractor further covenants that it has made a complete disclosure to BAIFA of all facts of which it is aware upon due inquiry bearing on any possible interest, direct or indirect, which it believes any member, officer, agent or employee of BAIFA (or an immediate family member, domestic partner or employer or prospective employer of such member, officer agent or employee) presently has, or will have in the Contract, or in the performance thereof, or in any portion of the profits thereunder. Willful failure to make such disclosure, if any, shall constitute grounds for cancellation and termination hereof by BAIFA.

			Page 4		
9.	IFB, Part 7,	The line below is deleted:			
	<u>General</u>				
	Conditions,	60.1 Work Performed by Special Forces or Other Special Services			
	GC-60, Force Account				
	Payment, Page				
	115				
10.	IFB, Part 7,	GC-62 Final Payment			
	<u>General</u>	Final payment does not become due until the following actions h	ave been		
	Conditions,	satisfactorily completed:			
	GC-62, Final				
	Payment, Pages	1. Satisfactory completion of final inspection of all the World			
	120 - 121	Contract and the issuance by BAIFA of a Letter of Final Accepta	nce.		
		<ul><li>2. The recording of a Notice of Completion by BAIFA.</li><li>3. Contractor submittal to BAIFA of:</li></ul>			
			mont and other		
		a. An affidavit that all payrolls, bills for materials and equip indebtedness connected with the Work have been paid or otherwise.	-		
		b. A release of liens and claims arising out of the Contract, t	-		
		the form designated by BAIFA. If a claim remains unsatisfied aft			
		are made, reimburse BAIFA for all monies that BAIFA may be c			
		discharging the claim, including all costs and reasonable attorney	's fees.		
		BAIFA may at its option and at any time retain out of any			
		you, sums sufficient to cover claims, filed pursuant to Section 31	<del>/9</del> Section 8500 et		
		seq. of the Civil Code.			
		BAIFA will make final payment, including outstanding retention, within			
		30-60 calendar days of the recording of the Notice of Completion	-		
		The second secon	-		
		The acceptance of final payment by you constitutes a wai	ver of all claims		
		against BAIFA arising under the Contract.			
11.	IFB, Part 10,	Add to section 1-1.01:			
	Construction				
	Details,	Bid Items and Applicable Sections			
	Division I, General	Item Item description	Applicable		
	Provisions, 1	129102A Temporary Alternative Crash Cushing	section 12		
	General, Add to				
	section 1-1.01,	150830A Remove Edge Drain 15			
	page 133	150840A Remove Underdrain	15		
		840510A 12" Thermoplastic Traffic Stripe 840524A 4" Thermoplastic Traffic Stripe (Broken 34-17)	84 84		
		846012A Contrast Pavement Stripe Black Paint (Broken)	84		
		846012B 3" Contrast Pavement Stripe Black Paint (Solid)	84		
		860202A Electronic Toll Systems	86		
		860401A Lighting (BAIFA) 860202B Backhaul Communications	86 86		
		DOOLOLD DOOMING COMMUNICATIONS			
<u> </u>	•		•		

		Page 5
12.	IFB, Part 10, Construction Details, Section 5, Control of Work, insert as new first item, page 134	Replace the 5th paragraph of section 5-1.13A with:  Except for a building-construction non-federal-aid contract, perform work equaling at least 15 percent of the value of the original total bid with your employees and with equipment you own or rent, with or without operators.
13.	IFB, Part 10, Construction Details, Division II, General Construction, 10 General, "Replace section 10-1.03 of the RSS for section 10-1 with:", 5 <sup>th</sup> Paragraph, first sentence Page 139	The VTMS sign panels must be made available to the TSI before you install the whole assembly over the roadway in a secure warehouse environment located no more than 10 miles from the project site. The VTMS sign panels, prior to attaching them to the mounting beams bolted to the sign structure, must be made available to the TSI before you install the whole assembly over the roadway in a secure warehouse environment located no more than 20 miles from the project site. The size of the warehouse shall not be less than 5,000 sf.
14.	IFB, Part 10,	Replace section 12-2 with:
14.	Construction	12-2 CONSTRUCTION PROJECT FUNDING SIGNS
	Details,	12-2.01 GENERAL
	Division II,	Section 12-2 includes specifications for installing construction project funding signs.
	General Construction, 12 Temporary	Construction project funding signs must comply with the details shown on the Department's Traffic Operations Web site.
	Traffic Control,	Keep construction project funding signs clean and in good repair at all times.
	"Replace	12-2.02 MATERIALS
	section 12-2	Construction project funding signs must be wood post signs complying with section 56-4.
	with:", page 141 - 142	Sign panels for construction project funding signs must be framed, single sheet aluminum panels complying with section 56-2.
		The background on construction project funding signs must be Type II retroreflective sheeting on the Authorized Material List for signing and delineation materials.
		The legend must be retroreflective, except for nonreflective black letters and numerals. The colors blue and orange must comply with PR Color no. 3 and no. 6, respectively, as specified in the Federal Highway Administration's Color Tolerance Chart.
		The legend for the type of project on construction project funding signs must read as follows:
		HIGHWAY IMPROVEMENT
		The legend for the types of funding on construction project funding signs must read as follows and in the following order:
		BAY AREA TOLL AUTHORITY (BATA) EXPRESS LANE FUNDS

Page	

		Page 6
		The legend for the year of completion on construction project funding signs must read as follows:
		YEAR OF COMPLETION 2016
		The size of the legend on construction project funding signs must be as described. Do not add any additional information unless authorized.
		12-2.03 CONSTRUCTION
		Install 2 Type 2 construction project funding signs at the locations designated by the Engineer before starting major work activities visible to highway users.
		When authorized, remove and dispose of construction project funding signs upon completion of the project.
		12-2.04 PAYMENT
		Not Used
16.	IFB, Appendix A, Contract Drawings and Plans, (see Supplemental Documents)	Appendix A, Contract Drawings and Plans, Project Plan Sheets: Project Plan Sheets 107, 112-115, 177, 182, 183, 207-209, 273, 274, 424, 428, 460, 549, 566A, 566B, 566C, 566D, 566E, 566F, 566G, 566H, 566I, 566J, 566K, 566L, 566M, 566N, 566O, , 566T, and 566U are deleted in their entirety and replaced with the attached <i>Appendix A</i> , Contract Drawings / Plans.
1.7	TED A 11	
17.	IFB, Add Appendix D – San Ramon Encroachment Permit Application	Add Appendix D – San Ramon Encroachment Permit Application, see below.
18.	IFB, Add Appendix E – Town of Danville, Encroachment Permit Application	Add Appendix E – Town of Danville Encroachment Permit Application, see below.
19.	IFB, Add Appendix F – Contra Costa County Encroachment Permit Application	Add Appendix F – Contra Costa County Encroachment Permit Application, see below.

The remaining provisions of the IFB remain unchanged. In the event of a conflict between this Addendum and the previous version(s), this Addendum takes precedence.

Any questions concerning this addendum to the IFB should be directed to Michael Brinton, Contracts Specialist, at (510) 817-5727 or <a href="mbrinton@mtc.ca.gov">mbrinton@mtc.ca.gov</a>.

Sincerely,

-DocuSigned by:

Andrew B. Fremier

Deputy Executive Director, Operations

#### SH:an

BID FORM #1

the

# **BID FORM**

# **CONTRACT NO. BAIFA-100**

# **I-680 Express Lanes Project**

TO: THE BAY A	AREA INFRASTRUCTURE FINANCING AUTHORITY,
terms and conditions of the	<b>ritation to Bid</b> for this project, the undersigned Bidder, being thoroughly familiar with the Contract Documents, hereby proposes and agrees fully to perform the work within the cordance with the Contract Documents.
The Bidder hereby acknow	rledges receipt of the following Addenda to the Contract Documents:
Addendum No I	Dated
Addendum NoI	Dated
Bidder hereby incorporates	by reference all provisions of the Contract Documents that follow this Bid Form.

FROM: BIDDER'S NAME\_\_\_\_\_

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# SCHEDULE OF QUANTITIES AND PRICES CONTRACT NO. BAIFA-100 EA No. 04-3G9504 I-680 Express Lanes Project

The prices quoted below include all applicable taxes, fees, permits, delivery, the cost of Bonds, insurance, and other charges and expenses, direct or indirect, as required.

Ψ.			TT 1: 0	<b>D</b>		
Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
	070030	Lead Compliance Plan	LS	Qualitity 1		
1		·				
2	080050	Progress Schedule (Critical Path Method)	LS	1		
3	090100	Time-Related Overhead (WDAY)	WDAY	300		
4	120090	Construction Area Signs	LS	1		
5	120100	Traffic Control System	LS	1		
6	120120	Type III Barricade	EA	99		
7	120165	Channelizer (Surface Mounted)	EA	1,450		
8	120300	Temporary Pavement Marker	EA	520		
9	121161	Temporary Terminal Section (Type K)	EA	64		
10	128652	Portable Changeable Message Sign (LS)	LS	1		
11	129000	Temporary Railing (Type K)	LF	34,400		
12	129100	Temporary Crash Cushion Module	EA	182		
13	129102A	Temporary Alternative Crash Cushion	EA	1		
14	130100	Job Site Management	LS	1		
15	130200	Prepare Water Pollution Control Program	LS	1		
16	130620	Temporary Drainage Inlet Protection	EA	62		
17	130640	Temporary Fiber Roll	LA	810		
18	130730	Street Sweeping	LS	1		
19	130800	Temporary Active Treatment System	LS	1		
20	130900	Temporary Concrete Washout	LS	1		
21	141000	Temporary Fence (Type ESA)	LF	74,600		
22	141010A	Temporary Fence (Wildlife Exclusion Type E)	LF	11,500		
23	141103	Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste)	LF	1,220		
24	141120	Treated Wood Waste	LB	4,350		
25	148005	Noise Monitoring	LS	1		
26	150661	Remove Guardrailing	LF	310		
27	150714	Remove Thermoplastic Traffic Stripe	LF	6,090		
28	150715	Remove Thermoplastic Pavement Marking	SQFT	2,810		
29	150722	Remove Pavement Marker	EA	3,500		
30	150742	Remove Roadside Sign	EA	25		
31	150748	Remove Roadside Sign Panel	EA	81		
32	150771	Remove Asphalt Concrete Dike	LF	960		
33	150812	Remove Pipe (LF)	LF	1,090		
34	150820	Remove Inlet	EA	2		
35	150830A	Remove Edge Drain	LF	1,160		

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						Page 10
Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
36	150840A	Remove Underdrain	LF	780		
37	153103	Cold Plane Asphalt Concrete Pavement	SQYD	7,340		
38	153210	Remove Concrete	CY	5		
39	153221	Remove Concrete Barrier	LF	5,840		
40	155231	Culvert Slurry-Cement Backfill	CY	1,410		
41	190101	Roadway Excavation	CY	380		
42	190105	Roadway Excavation (Type Z-2) (Aerially Deposited Lead)	CY	120		
43	193001	Structure Backfill	CY	1,740		
44	210350	Fiber Rolls	LF	810		
45	210600	Compost	SQFT	87,200		
46	390132	Hot Mix Asphalt (Type A)	TON	1,860		
47	394074	Place Hot Mix Asphalt Dike (Type C)	LF	350		
48	394076	Place Hot Mix Asphalt Dike (Type E)	LF	280		
49	394077	Place Hot Mix Asphalt Dike (Type F)	LF	360		
50	510502 (F)	Minor Concrete (Minor Structure)	CY	39		
51	510526	Minor Concrete (backfill)	CY	720		
52	560208 (F)	Furnish Sign Structure (Tubular)	LB	26,300		
53	560209 (F)	Install Sign Structure (Tubular)	LB	26,300		
54	560218 (F)	Furnish Sign Structure (Truss)	LB	476,900		
55	560219 (F)	Install Sign Structure (Truss)	LB	476,900		
56	560244	Furnish Laminated Panel Sign (1"- Type A) Furnish Single Sheet Aluminum Sign	SQFT	9,820		
57	560248	(0.063"-Unframed)	SQFT	1,630		
58	561014	54" Cast-in-Drilled-Hole Concrete Pile (Sign Foundation)	LF	50		
59	561016	60" Cast-in-Drilled-Hole Concrete Pile (Sign Foundation)	LF	940		
60	562002	Metal (Barrier Mounted Sign)	LB	450		
61	568001	Install Sign (Strap and Saddle Bracket Method)	EA	44		
62	568017	Install Roadside Sign Panel on Existing Post	EA	78		
63	597600	Prepare and Paint Concrete	SQFT	10		
64	620100	18" Alternative Pipe Culvert	LF	730		
65	620180	30" Alternative Pipe Culvert	LF	180		
66	620260	42" Alternative Pipe Culvert	LF	370		
67	665718	18" Slotted Corrugated Steel Pipe (.168" Thick)	LF	220		
68	681103	3" Plastic Pipe (Edge Drain)	LF	1,090		
69	682045	Class 3 Permeable Material	CY	190		
70	685020	8" Alternative Pipe Underdrain	LF	560		
71	731502	Minor Concrete (Miscellaneous Construction)	CY	25		
72	750001 (F)	Miscellaneous Iron And Steel	LB	4,460		
73	820130	Object Marker	EA	470		

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
74	832007	Midwest Guardrail System (Wood Post)	LF	650		
75	832070	Vegetation Control (Minor Concrete)	SQYD	580		
76	839221	Double Midwest Guardrail System (Wood Post)	LF	25		
77	839543	Transition Railing (Type WB-31)	EA	1		
78	839576	End Cap (Type A)	EA	1		
79	839581	End Anchor Assembly (Type SFT)	EA	3		
80	839582	End Anchor Assembly (Type CA)	EA	1		
81	839584	Alternative In-Line Terminal System	EA	4		
82	839591	Crash Cushion, Sand Filled	EA	1		
83	839699	Concrete Barrier (Type 60P)	LF	160		
84	839701	Concrete Barrier (Type 60)	LF	340		
85	839703	Concrete Barrier (Type 60C)	LF	800		
86	839709	Concrete Barrier (Type 60GE)	LF	4,230		
87	839713	Concrete Barrier (Type 60R)	LF	570		
88	840516	Thermoplastic Pavement Marking (Enhanced Wet Night Visibility)	SQFT	13,900		
89	846001	4" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	180,500		
90	846004	4" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 17-7)	LF	680		
91	846005	4" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 34-14)	LF	28,300		
92	846009	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	3,520		
93	846011	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 34-14)	LF	128,400		
94	846012	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 12-3)	LF	440		
95	846012A	Contrast Pavement Stripe Black Paint (Broken)	LF	97,300		
96	846012B	3" Contrast Pavement Stripe Black Paint (Solid)	LF	12,400		
97	846020A	12" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	400		
98	850101	Pavement Marker (Non-Reflective)	EA	3,120		
99	850111	Pavement Marker (Retroreflective)	EA	9,870		
100	860090	Maintaining Existing Traffic Management System Elements During Construction	LS	1		
101	860202A	Electronic Toll Systems	LS	1		
102	860401A	Lighting (BAIFA)	LS	1		
103	860202B	Backhaul Communications	LS	1		
104	999990	Mobilization	LS	1		

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The Total Contract Price shall be the sum of of the Bid Items above.

	In Words:	Numbers (\$):
TOTAL CONTRACT PRICE:		

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#### **SUBMITTED BY:**

Full and Correct Name of Bidder:
Business Address:
Phone:
Fax:
California Contractor's License:
Number:
Class:
Expires:

# **CONTRACTOR INFORMATION**

The names of all persons as principals interested in the foregoing bid are as follows:

other interested person is a corporation, give legal name of corporation, and names of the President and Secretary thereof; if a partnership, give name of the firm, also names of all individual partners composing firm; if Bidder or other interested person is an individual, give first and last names in full. If a Bidder is a joint venture, supply the above information for each joint venture partner.)

The person signing this Bid Form for the Bidder certifies that he or she is authorized by the Bidder to do so and that the Bidder is bound contractually by that signature.

Signature		
Name		
	(Print)	
Title		
Date		

# **Insurance Certificate Checklist**

# **INSURANCE REQUIREMENTS**

Minimum Insurance Coverages. The insurance requirements specified in this section must cover your own liability and the liability arising out of work or services performed under this Agreement by any subconsultants, subcontractors, suppliers, temporary workers, independent contractors, leased employees, or any other persons, firms or corporations that you authorize to work under this Agreement (hereinafter referred to as "Agents.") You must, at your own expense, obtain and maintain in effect at all times during the life of this Agreement the following types of insurance against claims, damages and losses due to injuries to persons or damage to property or other losses that may arise in connection with the performance of work under this Agreement.

You are required to assess the risks associated with work to be performed by Agents under subcontract and to include in every subcontract the requirement that the Agent maintain adequate insurance coverage with appropriate limits and endorsements to cover such risks. To the extent that an Agent does not procure and maintain such insurance coverage, you are responsible for said coverage and assume any and all costs and expenses that may be incurred in securing said coverage or in fulfilling your indemnity obligation as to yourself or any of your Agents in the absence of coverage.

In the event you or your Agents procure excess or umbrella coverage to maintain certain requirements outlined below, these policies must also satisfy all specified endorsements and stipulations, including provisions that your insurance be primary without right of contribution from BAIFA or Caltrans. Prior to beginning work under this contract, you must provide BAIFA with satisfactory evidence of compliance with the insurance requirements of this section.

Yes	Please certify by checking the box below that required coverages will be provided within ten
()	(10) days of BAIFA's notice to firm that it wishes to contract with the firm.
	Workers' Compensation Insurance with Statutory limits, and Employer's Liability
	Insurance with a limit of not less than \$1,000,000 per accident, \$1,000,000 per employee
	for disease, and \$1,000,000 policy limit for disease, and any and all other coverage of
	your employees as may be required by applicable law. Bidder is aware of the provisions
	of Section 3700 of the Labor Code which require every employer to be insured against
	liability for workers' compensation or to undertake self-insurance in accordance with the
= = = = = = = = = = = = = = = = = = =	provisions of that code, and will comply with such provisions before commencing the
	performance of the work of this contract. Such policy must contain a Waiver of
	Subrogation in favor of BAIFA and Caltrans. Such Workers Compensation & Employers
	Liability may be waived, if and only for as long as you are a sole proprietor or a
	corporation with stock 100% owned by officers with no employees. Should any bridge
	work require coverage for the United States Longshore Harbor Workers Act, you agree to
	furnish proof of insurance, if required.

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	Commercial General Liability Insurance for Bodily Injury and Property Damage liability, covering operations of you and your officers, agents, and employees and with limits of liability which must not be less than \$1,000,000 combined single limit per occurrence with a general aggregate liability of not less than \$2,000,000, and Personal and Advertising injury liability with a limit of not less than \$1,000,000. Such policy must contain a Waiver of Subrogation in favor of BAIFA and Caltrans. BAIFA, Caltrans, and their commissioners, directors, officers, representatives, agents and employees are to be named as additional insureds. Such insurance must be primary and contain a Separation of Insureds clause as respects any claims, losses or liability arising directly or indirectly from Bidder's operations.
	BAIFA, Caltrans, and their commissioners, directors, officers, representatives, agents and employees are to be named as additional insureds. Such insurance must be primary and contain a Separation of Insureds Clause as respects any claims, losses or liability arising directly or indirectly from your operations.
	Business Automobile Liability Insurance for all automobiles owned (if any), used or maintained by you and your officers, agents and employees, including but not limited to owned (if any), leased (if any), non-owned and hired automobiles. Limits of liability which must not be less than \$1,000,000 combined single limit per accident for Bodily Injury and Property Damage.
	<u>Umbrella insurance</u> in the amount of \$9,000,000 providing excess limits over Employers Liability, Automobile Liability and Commercial General Liability insurance. Such umbrella coverage must be following form to underlying coverage including all endorsements and additional insured requirements.
	Property Insurance covering your own Business Personal Property and Equipment to be used in the performance of this agreement, materials or property to be purchased and/or installed on behalf of BAIFA(if any), and builders risk for property in the course of construction (if applicable). You are responsible for all loss or damage, howsoever caused, to the work and materials, until final acceptance by BAIFA. In addition, the insurance should include "in transit" coverage to the final agreed upon destination of delivery, and including loading and unloading operations and such coverage must be in force until the work and materials are accepted by BAIFA.
The state of the s	Coverage must be written on a "Special Form" policy that includes theft, but excludes earthquake, with limits at least equal to the replacement cost of the property. Such policy must contain a Waiver of Subrogation in favor of BAIFA and Caltrans.

<u>General Terms and Conditions</u>
All policies will be issued by insurers acceptable to BAIFA, generally with a Best's Rating of A-VII or better.

Your obligation hereunder may be satisfied in whole or in part by adequately funded self-insurance, upon evidence of financial capacity satisfactory to BAIFA.

#### Deductible

You are responsible for payment of any deductible or retention on your policies without right of contribution from BAIFA or Caltrans. Deductible and retention provisions must not contain any restrictions as to how or by whom the deductible or retention is paid. Any deductible or retention provision limiting payment to the Named Insured is unacceptable.

In the event that BAIFA or Caltrans seeks coverage as an additional insured under your insurance policy that contains a deductible or self-insured retention, you must satisfy such deductible or self-insured retention to the extent of loss covered by such policy, for any lawsuit arising from or connected with any alleged act by you, subconsultant, subcontractor, or any of your employees, officers or directors, even if you or subconsultant is not a named defendant in the lawsuit.

# Claims Made Coverage

If any insurance specified above is provided on a claim-made (rather than an "occurrence") basis, then in addition to coverage requirements above, such policy must:

- 1. Ensure that the Retroactive Date is shown on the policy, and such date must be before the date of the Contract or the beginning of any work under the Contract;
- 2. Maintain and provide evidence of similar insurance for at least three (3) years following project completion, including the requirement of adding all additional insureds; and
- 3. If insurance is cancelled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the Contract effective date, you must purchase "extended reporting" coverage for a minimum of three (3) years after completion of the work.

# Failure to Maintain Insurance

All insurance specified above must remain in force until all work or services to be performed are satisfactorily completed, all of your personnel, subcontractors, and equipment have been removed from BAIFA's property, and the work or services have been formally accepted. You must notify BAIFA if any of the above required coverages are non-renewed or cancelled. The failure to procure or maintain required insurance and/or an adequately funded self-insurance program will constitute a material breach of the Contract.

Prior to commencement of any work hereunder, You must deliver to BAIFA Certificates of Insurance verifying the aforementioned coverages. Such certificates must make reference to all provisions and endorsements referred to above and must be signed on behalf of the insurer by an authorized representative thereof.

Page 18

The foregoing requirements as to the types and limits of insurance coverage to be maintained by you are not intended to and must not in any manner limit or qualify the liabilities and obligations otherwise assumed by you pursuant hereto, including, but not limited to, liability assumed pursuant to the Indemnification section of the Contract.

By signing below you acknowledge and agree to provide the required certificate of insurance providing verification of the minimum insurance requirements listed above within ten (10) days of BAIFA's notice to firm that it wishes to contract with the firm.												
Representative Name and Title												
Name of Authorizing Official												
Authorized Signature												
Date												

NOTE: If you were unable to check "Yes" for any of the required minimum insurance coverages listed above, a request for exception to the appropriate insurance requirement(s) must be brought to BAIFA's attention no later than closing date/time for receipt of requests for modifications/exceptions. If such modifications/exceptions are not brought to BAIFA's attention consistent with the provisions of this IFB, compliance with the insurance requirements will be assumed.

#### SC-2 Insurance

# 2.1 Minimum Coverage

The insurance requirements specified in this section must cover your own liability and the liability arising out of work or services performed under this Agreement by any subconsultants, subcontractors, suppliers, temporary workers, independent contractors, leased employees, or any other persons, firms or corporations that you authorize to work under this Agreement (hereinafter referred to as "Agents.") You must, at your own expense, obtain and maintain in effect at all times during the life of this Agreement the following types of insurance against claims, damages and losses due to injuries to persons or damage to property or other losses that may arise in connection with the performance of work under this Agreement.

You are also required to assess the risks associated with work to be performed by Agents under subcontract and to include in every subcontract the requirement that the Agent maintain adequate insurance coverage with appropriate limits and endorsements to cover such risks. To the extent that an Agent does not procure and maintain such insurance coverage, you are responsible for said coverage and assume any and all costs and expenses that may be incurred in securing said coverage or in fulfilling your indemnity obligation as to yourself or any of your Agents in the absence of coverage.

In the event you or your Agents procure excess or umbrella coverage to maintain certain requirements outlined below, these policies must also satisfy all specified endorsements and stipulations, including provisions that your insurance be primary without right of contribution from BAIFA or Caltrans. Prior to beginning work under this contract, you must provide BAIFA with satisfactory evidence of compliance with the insurance requirements of this section.

- 2.1.1 Workers' Compensation Insurance with Statutory limits, and Employer's Liability Insurance with a limit of not less than \$1,000,000 per accident, \$1,000,000 per employee for disease, and \$1,000,000 policy limit for disease, and any and all other coverage of your employees as may be required by applicable law. (Such policy must contain a Waiver of Subrogation in favor of BAIFA and Caltrans. Such Workers Compensation & Employers Liability may be waived, if and only for as long as you are a sole proprietor or a corporation with stock 100% owned by officers with no employees. Should any bridge work require coverage for the United States Longshore Harbor Workers Act, you agree to furnish proof of insurance, if required.
- 2.1.2 Commercial General Liability Insurance for Bodily Injury and Property Damage liability, covering operations of you and your officers, agents, and employees and with limits of liability which must not be less than \$1,000,000 combined single limit per occurrence with a general aggregate liability of not less than \$2,000,000, and Personal and Advertising injury liability with a limit of not less than \$1,000,000. Such policy must contain a Waiver of Subrogation in favor of BAIFA and Caltrans. BAIFA, Caltrans, and their commissioners, directors, officers,

representatives, agents and employees are to be named as additional insureds. Such insurance must be primary and contain a Separation of Insureds clause as respects any claims, losses or liability arising directly or indirectly from your operations.

- 2.1.3 Business Automobile Liability Insurance for all automobiles owned (if any), used or maintained by you and your officers, agents and employees, including but not limited to owned (if any), leased (if any), non-owned and hired automobiles. Limits of liability which must not be less than \$1,000,000 combined single limit per accident for Bodily Injury and Property Damage.
- 2.1.4 Umbrella insurance in the amount of \$9,000,000 providing excess limits over Employers Liability, Automobile Liability and Commercial General Liability insurance. Such umbrella coverage must be following form to underlying coverage including all endorsements and additional insured requirements.
- 2.1.5 Property Insurance covering your own Business Personal Property and Equipment to be used in the performance of this agreement, materials or property to be purchased and/or installed on behalf of Error! Reference source not found. (if any), and builders risk for property in the course of construction (if applicable). You are responsible for all loss or damage, howsoever caused, to the work and materials, until final acceptance by BAIFA. In addition, the insurance should include "in transit" coverage to the final agreed upon destination of delivery, and including loading and unloading operations, and such coverage must be in force until the work and materials are accepted by Error! Reference source not found..

Coverage must be written on a "Special Form" policy that includes theft, but excludes earthquake, with limits at least equal to the replacement cost of the property. Such policy must contain a Waiver of Subrogation in favor of BAIFA and Caltrans.

#### 2.2 Deductibles

You are responsible for payment of any deductible or retention on your policies without right of contribution from BAIFA or Caltrans. Deductible and retention provisions must not contain any restrictions as to how or by whom the deductible or retention is paid. Any deductible or retention provision limiting payment to the Named Insured is unacceptable.

In the event that BAIFA or Caltrans seeks coverage as an additional insured under any Bidder insurance policy that contains a deductible or self-insured retention, you must satisfy such deductible or self-insured retention to the extent of loss covered by such policy, for any lawsuit arising from or connected with any alleged act by you, subconsultant, subcontractor, or any of your employees, officers or directors, even if you or subconsultant is not a named defendant in the lawsuit.

# 2.3 Failure to Maintain Insurance

All insurance specified above must remain in force until all work or services to be performed are satisfactorily completed, all of your personnel, subcontractors, and equipment have been removed from BAIFA's property, and the work or services have been formally accepted. You must notify BAIFA if any of the above required coverages are non-renewed or cancelled. The failure to procure or maintain required insurance and/or an adequately funded self-insurance program will constitute a material breach of this Agreement.

#### 2.4 Self-Insurance

Your obligation hereunder may be satisfied in whole or in part by adequately funded self-insurance, upon evidence of financial capacity satisfactory to BAIFA.

# 2.5 Claims Made Coverage

If any insurance specified above be provided on a claim-made (rather than an "occurrence") basis, then in addition to coverage requirements above, such policy must:

- 2.5.1 Ensure that the Retroactive Date is shown on the policy, and such date must be before the date of the Contract or the beginning of any work under the Contract;
- 2.5.2 Maintain and provide evidence of similar insurance for at least three (3) years following project completion, including the requirement of adding all additional insureds; and
- 2.5.3 If insurance is cancelled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the Contract effective date, you must purchase "extended reporting" coverage for a minimum of three (3) years after completion of the work.

#### 2.6 Certificates of Insurance

Prior to commencement of any work hereunder, you must deliver to BAIFA Certificates of Insurance verifying the aforementioned coverages. Such certificates must make reference to all provisions and endorsements referred to above and must be signed on behalf of the insurer by an authorized representative thereof.

# 2.7 Disclaimer

The foregoing requirements as to the types and limits of insurance coverage to be maintained by you are not intended to and must not in any manner limit or qualify the liabilities and obligations otherwise assumed by you pursuant hereto, including, but not limited to, liability assumed pursuant to Section 7-1.05, Indemnification, of the Standard Specifications.

# 2.8 Acceptable Insurers

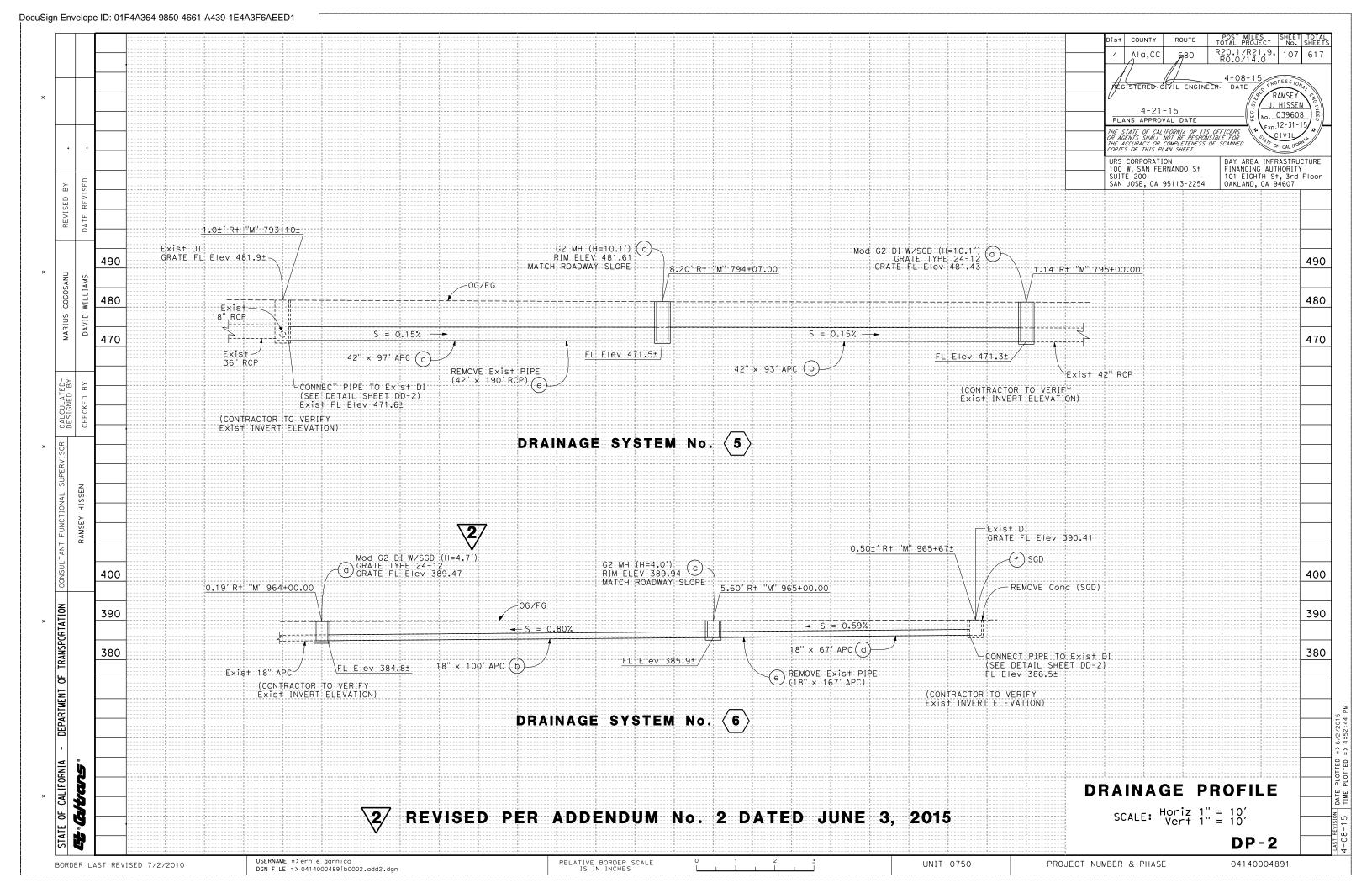
All policies will be issued by insurers acceptable to BAIFA, generally with a Best's Rating of A-VII or better.

# APPENDIX A

# **Contract Drawings / Plans**

# **Replacement Sheets:**

Project Plan Sheets 107, 112-115, 177, 182, 183, 207-209, 273, 274, 424, 428, 460, 549, 566A, 566B, 566C, 566D, 566E, 566F, 566G, 566H, 566I, 566K, 566L, 566M, 566N, 566O, , 566T, and 566U.



DEPARTMENT OF TRANSPORTATION

CALIFORNIA

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APC
ALLOWABLE
PIPE
MATERIAL
AND
PROTECTION PVC RCP (\*) DESIGNATION TYPE S CORR w/ SMOOTH INTER 18" APC YES YES YES 30" APC YES YES NO 42" APC YES YES NO

**ABBREVIATIONS** 

WITH

POST MILES SHEET TOTAL TOTAL PROJECT No. SHEET Dist COUNTY R20.1/R21.9, 112 617 R0.0/14.0 Ala,CC 6,80 REGISTERED CIVIL ENGINEER DATE RAMSEY J. HISSEN 4-21-15 No. <u>C39608</u> PLANS APPROVAL DATE Exp.12-31-15 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION 100 W. SAN FERNANDO S+ SUITE 200 SAN JOSE, CA 95113-2254

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

DRAINAGE QUANTITIES

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		DRAINAGE SYSTEM NO.	RAINAGE	MINOR CONCRETE (MINOR STRUCTURE) MINOR CONCRETE (Misc Construction)	CULVERT SLURR'		MINOR CONCRETE (BACKFILL)		REMOVE CONCRETE	Misc IRON AND STEEL	18" APC	18" SCSP	FRAME & GRATE / COVER (N)	HEIGHT OF INLET "H" (N)	MAXIMUM COVER (N)	CLASSIFICATION (N)	REMOVE PIPE	REMOVE EDGE DRAIN	REMOVE UNDERDRAIN	REMOVE INLET	42" APC	30" APC	8" ALTERNATIVE PIPE UNDER DRAIN		DESCRIPTION	LOCATION	DRAINAGE PLAN SHEET NO.			DRAINAGE UNIT
	<u> </u>		<b>O</b>	CY CY	CY	CY	20.1	<b>CY</b>	CY	LB	LF	LF	TYPE	FT	FT	TYPE	LF	<b>LF</b>	LF	EA	LF	LF	LF	<b>LF</b>	3" EDGE DRAIN	0.0'± R+ "M" 483+17± TO 0.0'± R+ "M" 484+43±	_	-	_	
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			b	3.58						435			COVER	8.3											G2 MH	5.67' L+ "M" 548+56.00				р
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			е														172								30" APC	1.28' R+ "M" 785+80.00 TO 1.4'± R+ "M" 787+52±				е
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(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SHEET TOTAL 15.79 1.32 | 530 | 497 | 199.9 | 13.0 | 0 | 1,522



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2 REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

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172

172

0

256

DRAINAGE QUANTITIES DQ-1

SHEET TOTAL

SEE PLAN SHEET D-4

USERNAME =>ernie\_garnica RELATIVE BORDER SCALE
IS IN INCHES UNIT 0750 04140004891 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010 DGN FILE => 0414000489id001.add2.dgn

344 256

POST MILES SHEET TOTAL TOTAL PROJECT No. SHEET Dis+ COUNTY R20.1/R21.9, 113 617 R0.0/14.0 Ala,CC 6,80 REGISTERED CIVIL ENGINEER DATE RAMSEY J. HISSEN 4-21-15
PLANS APPROVAL DATE No. <u>C39608</u> Exp.12-31-15 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

DRAINAGE QUANTITIES

URS CORPORATION 100 W. SAN FERNANDO S+ SUITE 200 SAN JOSE, CA 95113-2254

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

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DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	RAINAGE UNIT	MINOR CONCRETE (MINOR STRUCTURE)	MINOR CONCRETE	CULVERT SLURRY-CEMENT BACKFILL		MINOR CONCRETE (BACKFILL)	CLASS 3 PM	REMOVE CONCRETE	Misc IRON AND STEEL	18" APC	18" SCSP	FRAME & GRATE / COVER (N)	HEIGHT OF INLET "H" (N)	MAXIMUM COVER (N)	PIPE JOINT CLASSIFICATION (N)	REMOVE EDGE DRAIN	REMOVE UNDERDRAIN	REMOVE PIPE	REMOVE INLET	42" APC	30" APC	8" ALTERNATIVE PIPE UNDER DRAIN	_	DESCRIPTION	LOCATION	DRAINAGE PLAN SHEET NO.	UNIT
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		d			169	176	47								6.4	S			100		97				42" APC	1.0'± R+ "M" 793+10± TO 8.20' R+ "M" 794+07.00	-	d
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		e																	167						18" APC	0.19'± R† "M" 964+00.00 TO 0.50'± R† "M" 965+67±	1	e
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		_																										+
		а					15.4	4.8								S	94							94	3" EDGE DRAIN	0.0'± R+ "M" 1103+33± TO 1.0'± R+ "M" 1104+27±		а
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		Ь					7.1					59				S									18" SCSP	2.24' L+ "M" 1113+58.00 TO 4.72' L+ "M" 1114+20.00	]	b
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(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

DEPARTMENT OF TRANSPORTATION

CALIFORNIA

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**Gltans** 

DRAINAGE QUANTITIES



2 REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

DQ-2

USERNAME =>ernie\_garnica
DGN FILE => 0414000489id002.add2.dgn 04140004891 UNIT 0750 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010

DAVID WILLIAMS

DEPARTMENT OF TRANSPORTATION

CALIFORNIA

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**Gltans** 

POST MILES SHEET TOTAL TOTAL PROJECT No. SHEET Dis+ COUNTY R20.1/R21.9, 114 617 R0.0/14.0 Ala,CC 6,80 REGISTERED CIVIL ENGINEER DATE RAMSEY J. HISSEN 4-21-15 No. <u>C39608</u> PLANS APPROVAL DATE Exp.12-31-15 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. URS CORPORATION 100 W. SAN FERNANDO S†

DRAINAGE QUANTITIES

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SUITE 200

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

			<b>2</b> /									$\sqrt{2}$	7											URS CORPORATION 100 W. SAN FER SUITE 200 SAN JOSE, CA 9	ON RNANDO S+ 95113-2254	BAY FIN 101 OAK
DRAINAGE PLAN SHEET NO.	SYSTEM NO.  UNIT (CONCRETE STRUCTURE) CONCRETE CONSTRUCTION RT SLURRY-CE ILL			MINOR CONC	CLASS	REMOVE CONCRETE	T Misc IRON AND STEEL	18" APC	기 18" SCSP 건 FRAME & GRATE / COVER		MAXIMUM COVER (N)	H PIPE JOINT (N)		T REMOVE UNDERDRAIN	귀 REMOVE PIPE	PA REMOVE INLET	규 42" APC	T 30" APC	ר 8" ALTERNATIVE PIPE UNDER DRAIN	다 3" PLASTIC PIPE 파 (EDGE DRAIN)	DESCRIPTION	LOCATION	PLAN SH	DRAINAGE UNIT		
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		j															124						18" APC	2.60' L+ "M" 1114+17.00 TO 1.6'± L+ "M" 1115+44±		j
		k					12.9									58						58	8" UD	2.24' L+ "M" 113+58.00 TO 4.27' L+ "M" 1114+20.00		k
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		h				60.	7 18.8								370							370	3" EDGE DRAIN	0.6'± R+ "M" 1171+85± TO 0.2'± R+ "M" 1175+52±		h
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2HF	.∟I I	OTAL	14.15	13.45	309 61	1 1259	. 3pi 24 . 9	13.45	161	314	159 N/A	N/A	N/A	I N/A	587	428	630	2	0	0	1 3/0	645			SHEET	IOTAL

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY



2 REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

DRAINAGE QUANTITIES

DQ-3

USERNAME =>ernie\_garnica
DGN FILE => 0414000489id003.add2.dgn RELATIVE BORDER SCALE
IS IN INCHES UNIT 0750 PROJECT NUMBER & PHASE 04140004891 BORDER LAST REVISED 7/2/2010

REVISED BY

DEPARTMENT OF TRANSPORTATION

CALIFORNIA

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POST MILES SHEET TOTAL TOTAL PROJECT No. SHEET Dis+ COUNTY R20.1/R21.9, 115 617 Ala,CC 6,80 REGISTERED CIVIL ENGINEER DATE RAMSEY J. HISSEN 4-21-15
PLANS APPROVAL DATE No. <u>C39608</u> Exp. 12-31-15 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION 100 W. SAN FERNANDO S+ SUITE 200 SAN JOSE, CA 95113-2254

BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

# DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	MINOR (MINOR		L JRE BACKFILL	O MINOR CONCRETE	CLASS 3 PM	REMOVE CONCRETE	₩ Misc IRON AND STEEL	18" APC	TB" SCSP	KRAME & GRATE / COVER (N)	HEIGHT OF INLET "H" (N)	MAXIMUM COVER (N)	A PIPE JOINT (N)	구 REMOVE EDGE DRAIN	구 REMOVE UNDERDRAIN	규 REMOVE PIPE	REMOVE INLET	규 42" APC		F 8" ALTERNATIVE PIPE 다 UNDER DRAIN	지 (EDGE DRAIN)	DESCRIPTION	LOCATION	DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT
		а					20.0								S		90	100				90		8" UD	1.8'± R+ "M" 1210+58± TO 1.9'± R+ "M" 1211+48±			а
U-1	1 11	b				14.8	4.6									90							90	3" EDGE DRAIN	1.8'± R+ "M" 1210+58± TO 1.9'± R+ "M" 1211+48±	D-11		Ь
D-1	12	а				6.7	2.1								S	41							41	3" EDGE DRAIN	0.1'± L+ "M" 1230+30± TO 0.25'± R+ "M" 1230+70±	D-12	12	а
							-																				<u> </u>	
							-																					
	EET TO		0	0	0 0	21 5	26.7	0	0	0	0	N/A	N/A	N/A	N ZA	131	0	100	0	0	0	90	90			SHE	EET TO	
				-					+ -				+							_								
GR	AND TO	OTAL	38.16	8.56 1,	402 ,73	711.	2 190.	4.60	4,457	727	218	N/A	N/A	N/A	N/A	1,156	778	1,087	2	362	172	554	1,085			GRA	AND T	0

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

DRAINAGE QUANTITIES



2 REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

DQ-4

BORDER LAST REVISED 7/2/2010

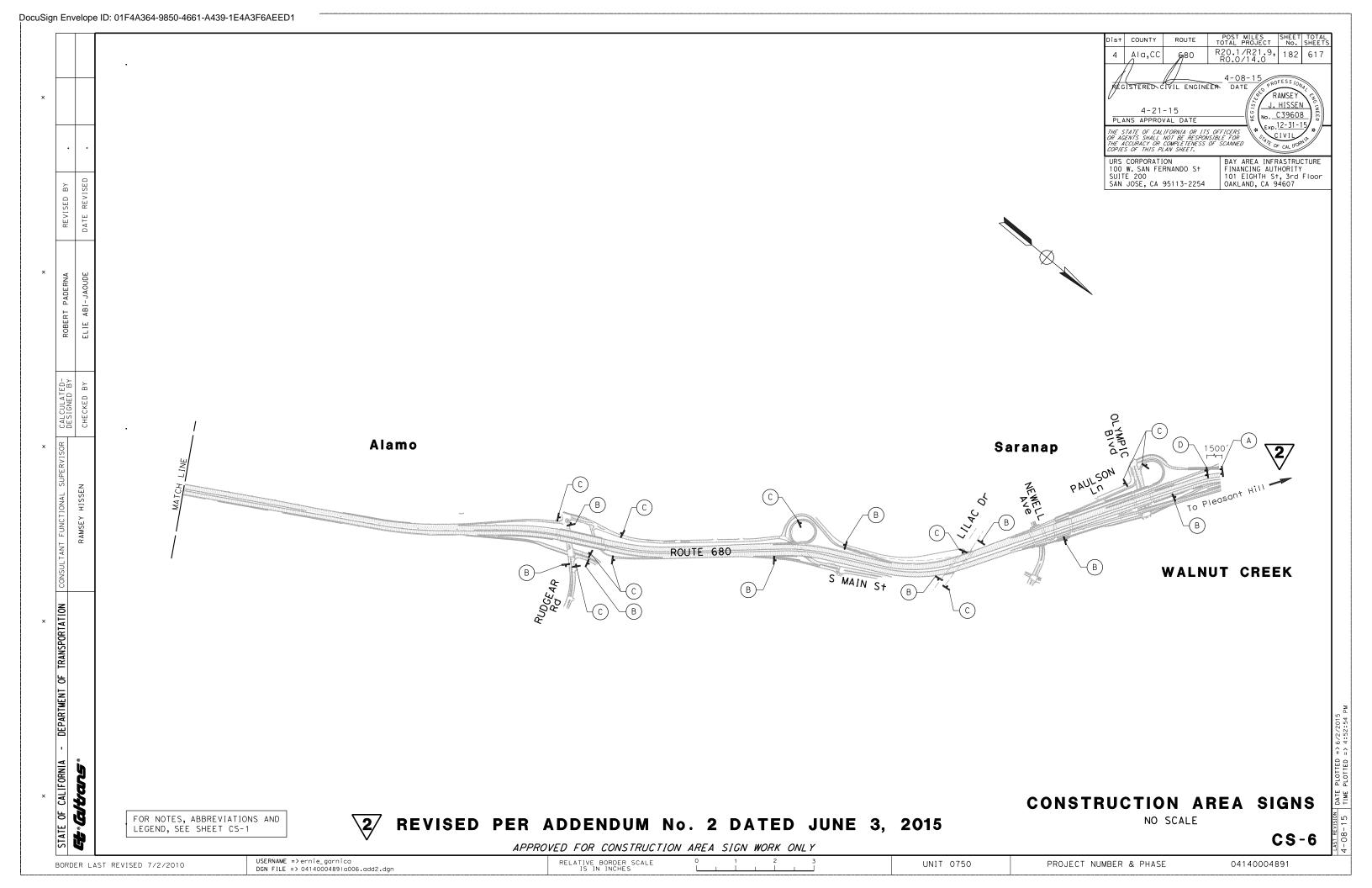
USERNAME =>ernie\_garnica
DGN FILE => 0414000489id004.add2.dgn

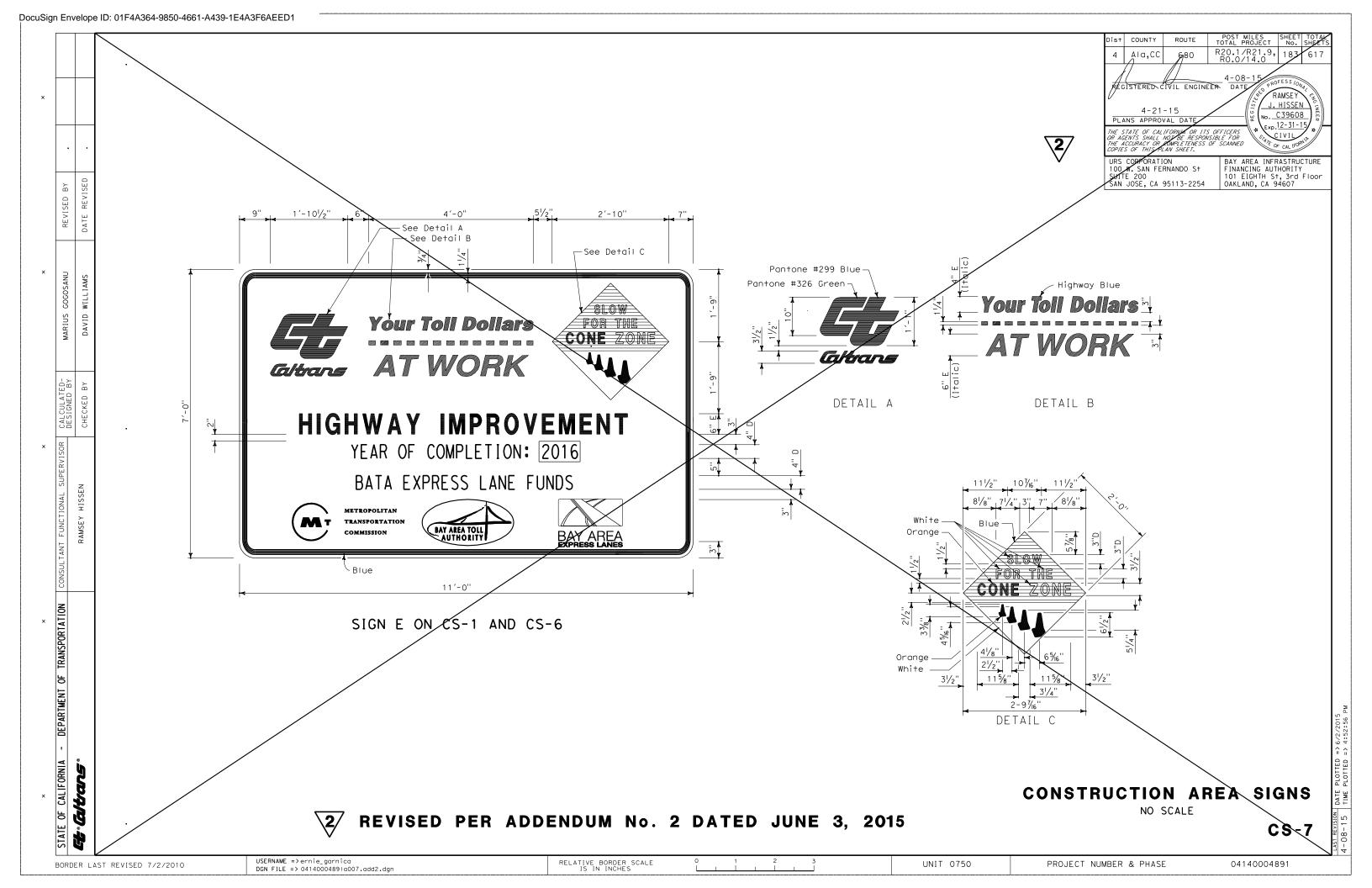
PROJECT NUMBER & PHASE

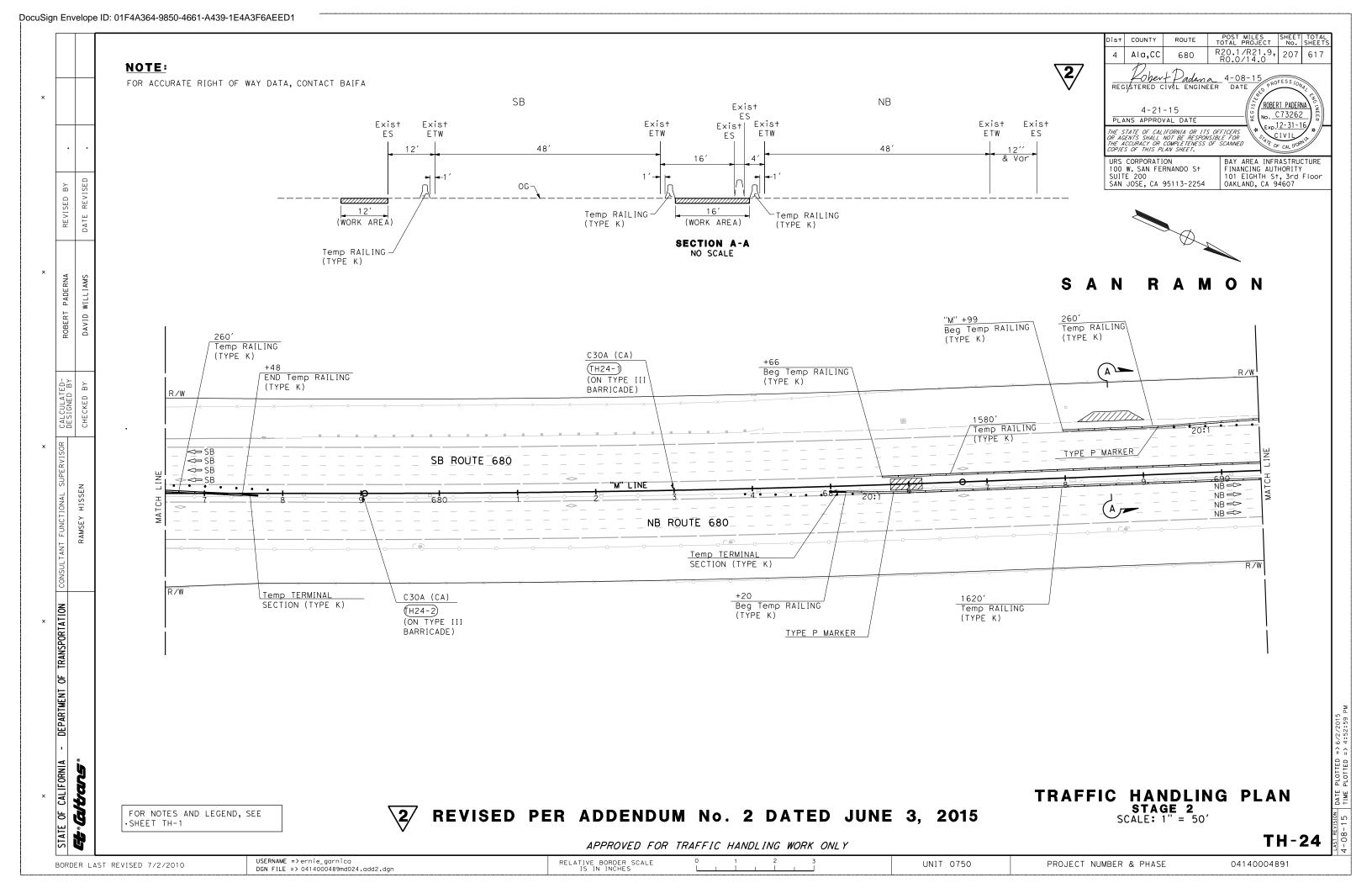
UNIT 0750

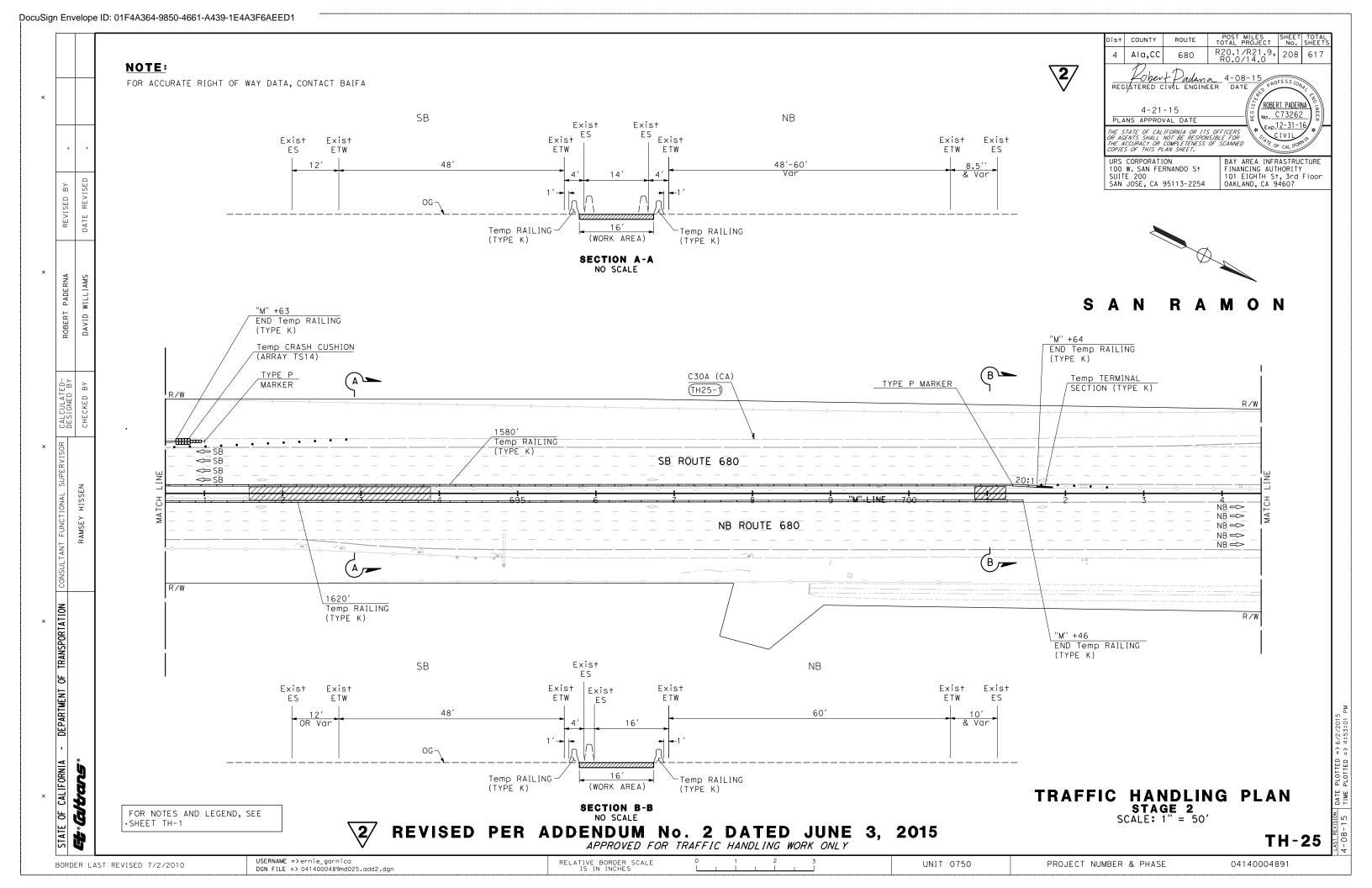
04140004891

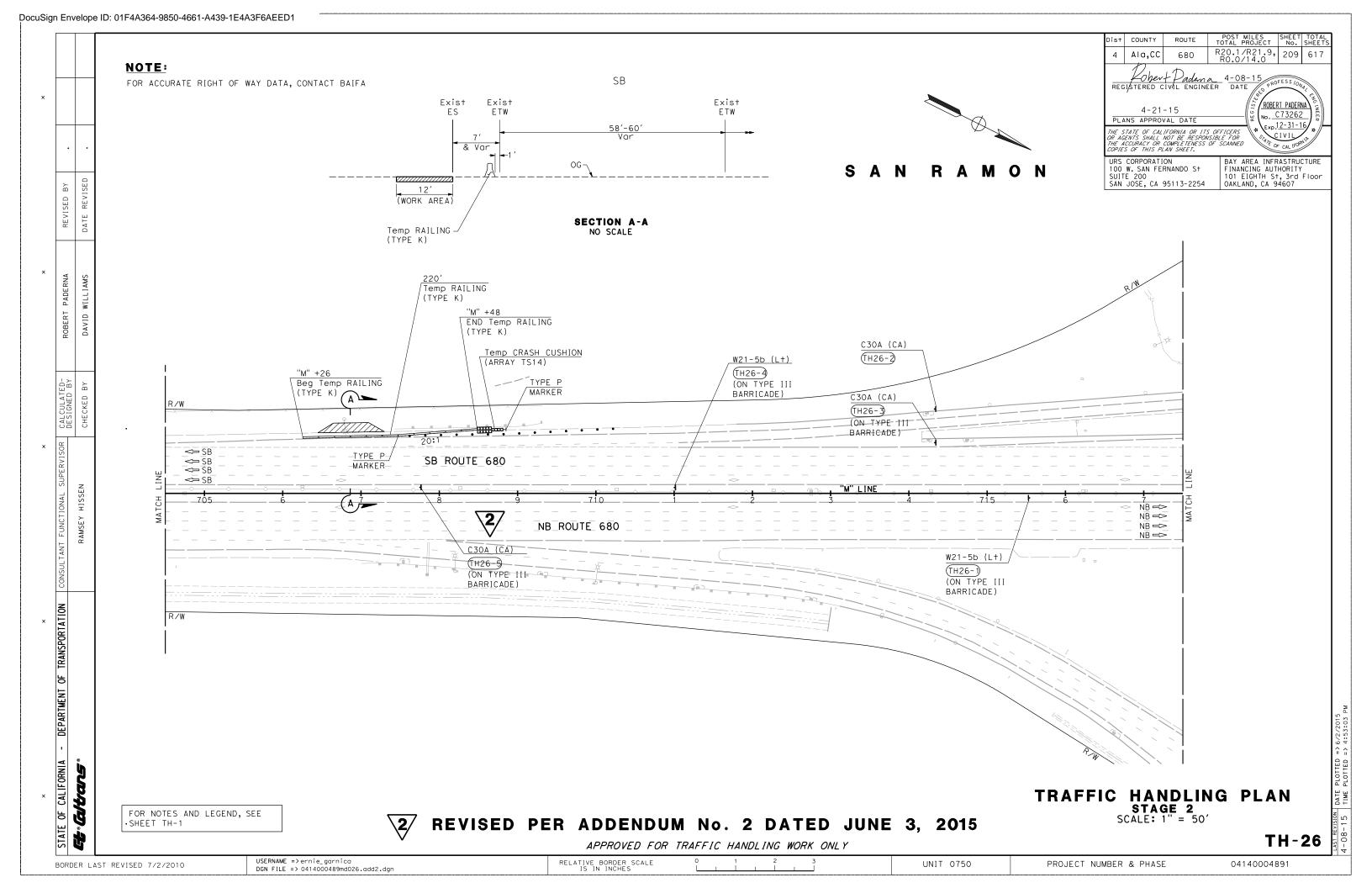
	ĽEGEND:								Dist COUNTY ROUTE POST TOTAL RO.07	MILES SHE NO /R21.9, 17
	• ONE POST CONSTRUCTION AREA SIGN		STATI	ONARY M	OUNTED C	ONSTRUCTION A	REA SIGNS		SEGISTERED CIVIL ENGINEER DAT	B-15 E PROFESS
	TWO POST CONSTRUCTION AREA SIGN  X CONSTRUCTION AREA SIGN NUMBER	SIGN No.		CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS	V 4-21-15 PLANS APPROVAL DATE	J. HIS
	NOTES:	Α	FEDERAL W20-1	CALIFORNIA	60" × 60"	ROAD WORK AHEAD	2 - 4" × 6"	2	THE STATE OF CALIFORNIA OR 11'S OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	STATE OF CO
	1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE	В	G20-2		48" × 24"	END ROAD WORK	1 - 4" × 6"	57	100 W. SAN FERNANDO S† FINAN	AREA INFRAS ICING AUTHO EIGHTH S†,
VISED	APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.	С	W20-1		48" × 48"	ROAD WORK AHEAD	1 - 4" × 6"	65	SAN JOSE, CA 95113-2254 OAKLA	AND, CA 946
TE REVI	<ol> <li>FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE TRAFFIC HANDLING PLANS.</li> </ol>	D		C40 (CA)	144" × 60"	TRAFFIC FINES DOUBLE IN	2 - 4" × 6"	2		
OUDE DATE	<ul> <li>3. ALL EXISTING SIGNS IN CONFLICT WITH TRAFFIC HANDLING PLANS SHALL BE COVERED OR REMOVED UNDER THE DIRECTION OF THE ENGINEER.</li> <li>4. SIGN POST LENGTHS ARE APPROXIMATE. EXACT SIZE AND LENGTH WILL BE DETERMINED BY THE ENGINEER.</li> </ul>	<b>2</b>				CONSTRUCTION ZONE				
Y ELIE ABI-JAOUDE										
CHECKED BY	·			ח						
				BIvd					D 2	
	PLEASANTON 085	_		LEY		DUBLIN			SAN RAMOI	V
KAMSEY HISSEN	2 To San Jose B C C	DUBLIN BIVE		AMADOR VAL	ROUTE 6	30		С	ALCOSTA SAN BING B NALLEY BING B	MATCH LINE
	A D C B	C						B	C	
	· \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ED PE	R ADDI	ENDUM	No. 2 D	ATED JUNE 3,	2015	со	NSTRUCTION AREA NO SCALE	
, 1	$\triangle$					SIGN WORK ONLY				C











Temp RAILING (TYPE K)

LF

		TEMPORARY RAILI	NG
		STATION	Te RAIL (TYP
		STATION	L
		"M" 475+59 Rt TO "M" 484+72 Rt	92
		"M" 482+90 L+ TO "M" 485+55 L+ "M" 497+19 R+ TO "M" 500+44 R+	28 32
		"M" 498+53 L+ TO "M" 501+78 L+	32
•		"M" 512+53 R+ TO "M" 515+57 R+	30
		"M" 513+95 L+ TO "M" 516+99 L+	30
ΒY	ED.	"M" 538+28 R+ TO "M" 549+26 R+   "M" 539+59 L+ TO "M" 550+78 L+	1 1 1 1
	REVISED	"M" 591+23 Rt TO "M" 594+48 Rt	32
REVISED	E RE	"M" 592+74 L† TO "M" 595+80 L†	30
Æ	DATE	"M" 602+62 R+ TO "M" 606+28 R+ "M" 604+34 L+ TO "M" 607+78 L+	36
		"M" 604+34 L+ TO "M" 607+78 L+	34
		"M" 625+10 L+ TO "M" 627+94 L+	28
		"M" 657+03 R+ TO "M" 659+87 R+	28
۸N۶	, MS	"M" 657+95 L+ TO "M" 661+20 L+ "M" 657+81 L+ TO "M" 660+44 L+	32
PADERNA	WILLIAMS	"M" 657+81 L+ TO "M" 660+44 L+ "M" 673+63 R+ TO "M" 675+25 R+	26 16
		"M" 674+85 L+ TO "M" 677+48 L+	26
ROBERT	DAVID	"M" 687+99 L+ TO "M" 690+63 L+	26
ž	DA	"M" 685+20 R+ TO "M" 701+46 R+ "M" 685+66 L+ TO "M" 701+64 L+	16
		"M" 706+26 L† TO "M" 708+48 L†	22
		"M" 733+08 R+ TO "M" 736+94 R+	38
<u> </u>		"M" 735+20 L† TO "M" 738+45 L†	32
FD BY		"M" 733+66 L+ TO "M" 736+30 L+   "M" 757+39 R+ TO "M" 760+42 R+	26 30
		"M" 757+39 RT 10 M 760+42 RT	32
7	СНЕСКЕD	"M" 760+99 L+ TO "M" 763+83 L+	28
5		"M" 784+30 Rt TO "M" 795+26 Rt	11
Τ		"M" 785+62 L+ TO "M" 796+80 L+ "M" 786+47 R+ TO "M" 789+72 R+	11
		"M" 787+31 R+ TO "M" 789+95 R+	32 26
		"M" 809+41 R+ TO "M" 812+86 R+	34
	z	"M" 811+18 L+ TO "M" 814+23 L+	30
	HISSEN	"M" 847+66 R+ TO "M" 852+34 R+ "M" 849+29 L+ TO "M" 853+75 L+	46
	Y HI	"M" 849+29 L+ TO "M" 853+75 L+	26
	111	"M" 899+00 L+ TO "M" 901+44 L+	24
	RAMSE	"M" 901+70 L+ TO "M" 905+36 L+	36
		"M" 944+10 Rt TO "M" 951+82 Rt "M" 945+42 Lt TO "M" 953+15 Lt	78 78
		"M" 962+88 R† TO "M" 966+73 R†	38
		"M" 963+94 L+ TO "M" 968+02 L+	40
t		"M" 964+50 L+ TO "M" 965+76 L+	12
		"M" 966+01 L+ TO "M" 970+36 L+ "M" 996+29 R+ TO "M" 999+33 R+	42 30
וסו ועווס כוועוו		"M" 996+29 RT TO M 999+33 RT "	30
		"M" 1010+53 R+ TO "M" 1014+19 R+	36
		"M" 1012+40 L+ TO "M" 1015+24 L+	28
		"M" 1017+15 R+ TO "M" 1019+18 R+   "M" 1053+15 R+ TO "M" 1055+38 R+	20
		"M" 1053+15 RT 10 M 1055+38 RT	30
5		"M" 1058+62 L+ TO "M" 1061+66 L+	30
		"M" 1101+98 R+ TO "M" 1104+42 R+	24
		"M" 1102+73 R+ TO "M" 1105+04 R+   "M" 1103+26 L+ TO "M" 1117+66 L+	1/
		"M" 1103+26 L+ TO "M" 1117+66 L+   "M" 1111+98 R+ TO "M" 1115+64 R+	14 36
		"M" 1132+14 R+ TO "M" 1136+40 R+	42
τ	€	"M" 1134+88 L† TO "M" 1137+92 L†	30
	מ	"M" 1158+97 R+ TO "M" 1162+42 R+ "M" 1160+46 L+ TO "M" 1163+71 L+	34
מוניוס בו שניים	B	"M" 1160+46 L+ TO "M" 1163+71 L+   "M" 1170+10 R+ TO "M" 1175+62 R+	36 54
	ditars	"M" 1171+56 L+ TO "M" 1178+46 L+	68
יוי	•		
5	13	"M" 1187+26 R+ TO "M" 1189+90 R+   "M" 1187+97 L+ TO "M" 1190+00 L+	26 20

Т	F	MP	0R	AR'	V R	ΔΠ	ING	(CO	NT)
		VI C	Vn	An	ın	~ I L	IIIG	100	, 1 <b>3</b> 1 <i>1</i>

STATION							Temp RAILING (TYPE K) LF
"M"	1209+08	L†	ТО	"M"	1211+71	L†	260
''M''	1210+29	L†	ТО	"M"	1213+14	L+	280
''M''	1211+47	L+	ТО	"M"	1213+73	L†	220
''M''	1228+05	R+	ТО	"M"	1231+36	R†	340
''M''	1229+62	L+	ТО	"M"	1243+63	L†	1500
"M"	1239+32	R†	ТО	"M"	1242+16	R†	280
"M"	1269+88	R†	ТО	"M"	1272+72	R†	280
"M"	1272+02	L+	TO	"M"	1274+06	L+	200
"M"	1285+51	R†	ТО	"M"	1288+76	R†	320
"M"	1287+14	L+	ТО	"M"	1291+20	L†	400
"M"	1297+50	R†	ТО	"M"	1302+58	R†	500
"M"	1300+69	L†	ТО	"M"	1305+97	L†	520
''M''	1305+68	L†	ТО	"M"	1307+92	L†	220
					TOTAL	_	34,380



<b>TEMPOR</b>	ARY	TERMINAL	SECTION
SHEET No.		STATION	TEMPORARY TERMINAL SECTION (TYPE K)
			EA
TH-1	"M"		1
TH-2	"M"	1239+32 R†	1
TH-4	"M"	1243+63 L†	1
1H-4		1269+88 R+ 1274+06 L+	1
TH-5		1285+51 R†	1
TH-6		1291+20 L†	1
		1297+50 R+	1
TH-7		1305+97 L+	1
TH-9		475+59 R+	1
TH-10		485+55 L+	1
TH-11	"M"	497+19 R†	1
		501+78 L†	1
TH-12		512+53 R†	1
TII 1 1	"M"		1
TH-14 TH-15	"M"	538+28 R†	1
TH-17		550+78 L† 591+23 R†	1
TH-18		595+80 L†	1
111 10	"M"		1
TH-19	"M"	002 02	1
TH-20		623+62 R+	1
		627+94 L†	1
TH-22		657+03 R+	1
	"M"		1
TH-23	"M"		
TH-24		677+48 R+	1
TIL OF	"M"		1
TH-25 TH-28		701+64 L† 733+08 R†	1
111-20	"M"		1
TH-29		757+39 R†	1
TH-30		761+83 L†	1
TH-31	"M"	784+30 R†	1
TH-32	"M"	796+80 L†	1
TH-33	"M"	809+41 R+	1
TH-34		814+23 L†	1
TH-36		847+66 R†	1
T		853+75 L†	1
TH-40		898+61 R+	1
TH-43	м ''м''	901+44 R† 944+10 R†	1
TH-44		953+15 L†	1
TH-45	"M"		1
	"M"		1
TH-47	"M"	996+29 R+	1
	"M"		1
TH-48	"M"		1
		1015+24 L†	1
TH-51	"M"		1
TH-52	"M"		1
TH-55	"M"		1
TH-56	"M"		1
TH-57	"M"	1117+66 L†	1
TH-58		1132+14 R+ 1137+92 L+	1
TH-59		1158+97 R†	1
		1163+71 L†	1
TH-60		1170+10 R†	1
	11		

Dis+	COUNTY	ROUTE	TOTAL PROJECT	No.	SHEETS
4	Ala,CC	680	R20.1/R21.9, R0.0/14.0	273	617
REGISTERED CIVIL ENGINEER DATE SPOFESSIONAL					

4-21-15 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION 100 W. SAN FERNANDO S† SUITE 200 SAN JOSE, CA 95113-2254 BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

ROBERT PADERNA

No. <u>C73262</u>

Exp.12-31-16

# TEMPORARY CRASH CUSHION MODULE

SHEET No.	STATION	ARRAY	EA
TH-7	"M" 1307+92 L+	TS14	14
TH-22	"M" 660+44 L†	TS14	14
TH-25	"M" 690+63 L†	TS14	14
TH-26	"M" 708+48 L†	TS14	14
TH-28	"M" 736+30 L+	TS14	14
TH-30	"M" 763+83 L†	TS14	14
TH-31	"M" 786+47 R+	TS14	14
TH-40	"M" 905+36 L†	TS14	14
TH-45	"M" 970+36 L+	TS14	14
TH-49	"M" 1017+15 R+	TS14	14
TH-51	"M" 1053+15 R†	TS14	14
TH-55	"M" 1102+73 R†	TS14	14
TH-63a	"M" 1213+73 L†	TS14	14
		TOTAL	182



# TEMPORARY ALTERNATIVE **CRASH CUSHION**

SHEET No.	STATION	Temp ALTERNATIVE CRASH CUSHION (ABSORB 350)
		EΑ
TH-45	"M" 965+76 L†	1
	TOTAL	1

PEVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

TRAFFIC HANDLING QUANTITIES

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TH-61

TH-63

THQ-1

USERNAME =>ernie\_garnica
DGN FILE => 0414000489mf001.add2.dgn BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE
IS IN INCHES

"M" 1178+46 L†

"M" 1187+26 R†

"M" 1190+00 L+

"M" 1209+08 R†

"M" 1213+14 L+

TOTAL

UNIT 0750

PROJECT NUMBER & PHASE

			ST	ATIO	NARY MOUN	TED C	ONST	RUCTIO	N AREA SIGNS [N]
			SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE	POST SIZE	ROADSIDE SIGN	REMARKS
			TIL 4	TIIA A	0704 (04)		IN × IN	ONE POST	
			TH-1	TH1-1 TH1-2	C30A (CA) R86-3 (CA)	48 × 48 36 × 66			SHOULDER CLOSED  LEFT LANE HOV 2+ ONLY, 5-9AM, 3-7PM, MON-
				TH1-3	C3OA (CA)	48 × 48			SHOULDER CLOSED
.			TH-3	TH3-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH3-2	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
-			TILL	TH3-3	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
	REVISED		TH-4 TH-5	TH4-1 TH5-1	C3OA (CA) C3OA (CA)	48 × 48 48 × 48			SHOULDER CLOSED SHOULDER CLOSED
	ΕVΙ		'''	TH5-2	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH5-3	C3OA (CA)	48 × 48			SHOULDER CLOSED
	DATE		TH-6	TH6-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
_	_		TH-7	TH7-1	C30A (CA)	48 × 48			SHOULDER CLOSED
				TH7-2 TH7-3	W21-5b (L+) W21-5	48 × 48 48 × 48			LEFT SHOULDER CLOSED AHEAD SHOULDER WORK
				TH7-4	W7-3aP (16 MILES)	24 × 18			NEXT 16 MILES
	MS			TH7-5	C3OA (CA)	48 × 48			SHOULDER CLOSED
	WILLIAMS		TH-8	TH8-1	W21-5	48 × 48			SHOULDER WORK
	WIL			TH8-2	W7-3aP (16 MILES)		6 6		NEXT 16 MILES
	0.			TH8-3 TH8-4	W21-5 W7-3aP (16 MILES)	48 × 48 24 × 18	6 × 6	×	SHOULDER WORK  NEXT 16 MILES
	DAVID			TH8-5	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
			TH-9	TH9-1	C30A (CA)	48 × 48			SHOULDER CLOSED
			TH-10	TH10-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH10-2	C3OA (CA)	48 x 48			SHOULDER CLOSED
.	ВΥ			TH11-1	C30A (CA)	48 x 48			SHOULDER CLOSED
۱,	D		IH-12	TH12-1 TH12-2	C30A (CA) W21-5b (L+)	48 × 48 48 × 48			SHOULDER CLOSED  LEFT SHOULDER CLOSED AHEAD
	CHECKED		TH-13	TH13-1	C30A (CA)	48 × 48			SHOULDER CLOSED AREAD
DESIGNED DI	SHE			TH13-2	C3OA (CA)	48 × 48			SHOULDER CLOSED
	L	·		TH13-3	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
				TH15-1	C30A (CA)	48 × 48			SHOULDER CLOSED
			IH-16	TH16-1 TH16-2	W21-5b (L+) W21-5b (L+)	48 × 48 48 × 48			LEFT SHOULDER CLOSED AHEAD LEFT SHOULDER CLOSED AHEAD
			TH-17	TH17-1	C30A (CA)	48 × 48			SHOULDER CLOSED AREAD
	Z			TH18-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
	ISSEN			TH18-2	C3OA (CA)	48 × 48			SHOULDER CLOSED
	Y HI			TH19-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
	ISE Y			TH19-2 TH21-1	C3OA (CA) C3OA (CA)	48 × 48			SHOULDER CLOSED
	RAMSE		I IH-ZI	TH21-1	W21-5b (L+)	48 × 48 48 × 48			SHOULDER CLOSED  LEFT SHOULDER CLOSED AHEAD
				TH21-3	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
			TH-22	TH22-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
			TH-23	TH23-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH23-2	C30A (CA)	48 × 48	C 11 C		SHOULDER CLOSED
			TH-24	TH23-3 TH24-1	C3OA (CA) C3OA (CA)	48 × 48 48 × 48	6 × 6	X	SHOULDER CLOSED SHOULDER CLOSED
			''' - '	TH24-2	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH25-1	C3OA (CA)	48 × 48	6 × 6	×	SHOULDER CLOSED
		<b>2</b> /	TH-26	TH26-1	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
				TH26-2	C30A (CA)	48 x 48	6 × 6	×	SHOULDER CLOSED
				TH26-3 TH26-4	C30A (CA) W21-5b (L+)	48 × 48 48 × 48			SHOULDER CLOSED  LEFT SHOULDER CLOSED AHEAD
				TH26-5	C30A (CA)	48 × 48			SHOULDER CLOSED
			TH-27	TH27-1	C3OA (CA)	48 × 48			SHOULDER CLOSED
				TH27-2	W21-5b (R+)	48 × 48	6 × 6	×	RIGHT SHOULDER CLOSED AHEAD
			TIL 22	TH27-3	W21-5b (R+)	48 x 48	6 × 6	Х	RIGHT SHOULDER CLOSED AHEAD
			1H-78	TH28-1 TH28-2	W21-5b (L+) C30A (CA)	48 × 48 48 × 48	6 × 6	×	LEFT SHOULDER CLOSED AHEAD
			TH-29	TH29-1	C3OA (CA)	48 × 48		^	SHOULDER CLOSED SHOULDER CLOSED
	8		-	TH29-2	C3OA (CA)	48 × 48			SHOULDER CLOSED
	2			TH29-3	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
	9		TH-30	TH30-1	W21-5b (L+)	48 × 48			LEFT SHOULDER CLOSED AHEAD
•	<i>Cutrans</i>			TH30-2 TH30-3	C3OA (CA) C3OA (CA)	48 × 48 48 × 48	6 × 6	×	SHOULDER CLOSED
:: '	3			111120-3	SHEET TO			8 8	SHOULDER CLOSED
1	J	l .			JIILLI IU	TAL OI	11104 Z		<u> </u>

# TYPE III Barricade

SHEET No.	EΑ
TH-1	
	2
TH-2	1
TH-3	3
TH-4	1
TH-5	3
TH-6	1
TH-6 TH-7	3
TH-8	2
TH-9	1
TH-10	2
TH-11	1
TH-12	2
TH-13	3
TH-15 TH-16	1
	2
TH-17	1
TH-18	2
TH-19	2
TH-21	3
TH-22	1
TH-23	2
TH-24	2
TH-25	0
TH-26	4
TH-27	1
TH-28	1
TH-29	3
	2
TH-30 TH-31	
	2
TH-33	2
TH-34	1
TH-35	3
TH-37 TH-38	1
	2
TH-39	1
TH-41	1
TH-42	1
TH-43	1
TH-44	2
TH-46	4
	1
TH-47 TH-48	2
TH-49	1
TH-50	_
TH-50	1
TH-52	1
TH-53	2
TH-54	1
TH-57	2
TH-58	2
TH-59	3
TH-60	1
TH-61	3
TH-62	1
TH-64	3
TOTAL	99

# **CHANNELIZER** (SURFACE MOUNTED)

SHEET No.	EA
TH-1	16
TH-2	29
TH-4	32
TH-5	21
TH-6	59
TH-7	39
TH-9	27
TH-10	10
TH-11	30
	33
TH-12 TH-13	
TH-13	18
	13
TH-15	
TH-17	17
TH-18	34
TH-19	17
TH-20	33
TH-22	46
TH-23	20
TH-24	21
TH-25	17
TH-26	14
TH-27	3
TH-28	52
TH-29	16
TH-30	35
TH-31	26
TH-32	30
TH-33	19
TH-34	15
TH-36	33
TH-40	29
TH-43	17
TH-44	28
TH-45	45
TH-47	26
TH-48	29
TH-49	16
TH-51	18
TH-52	18
TH-55	61
TH-56	30
TH-57 TH-58	16
	13
TH-59	26
TH-60	22
TH-61	23
TH-62	18
TH-63	119
TH-63a	16
TH-65	50
TH-66	39
TOTAL	1,437

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS	
4	Ala,CC	680	R20.1/R21.9, R0.0/14.0	274	617	
REGISTERED CIVIL ENGINEER DATE PROPERTY DISCOULTER						
4-21-15 PLANS APPROVAL DATE  ***  PLANS APPROVAL DATE  ***  **  ***  ***  **  **  **  **  *						
THE STATE OF CALIFORNIA OR ITS OFFICERS * Exp. 12-31-10 *						

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION 100 W. SAN FERNANDO S+ SUITE 200 SAN JOSE, CA 95113-2254 BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

# OBJECT MARKER (TYPE P)

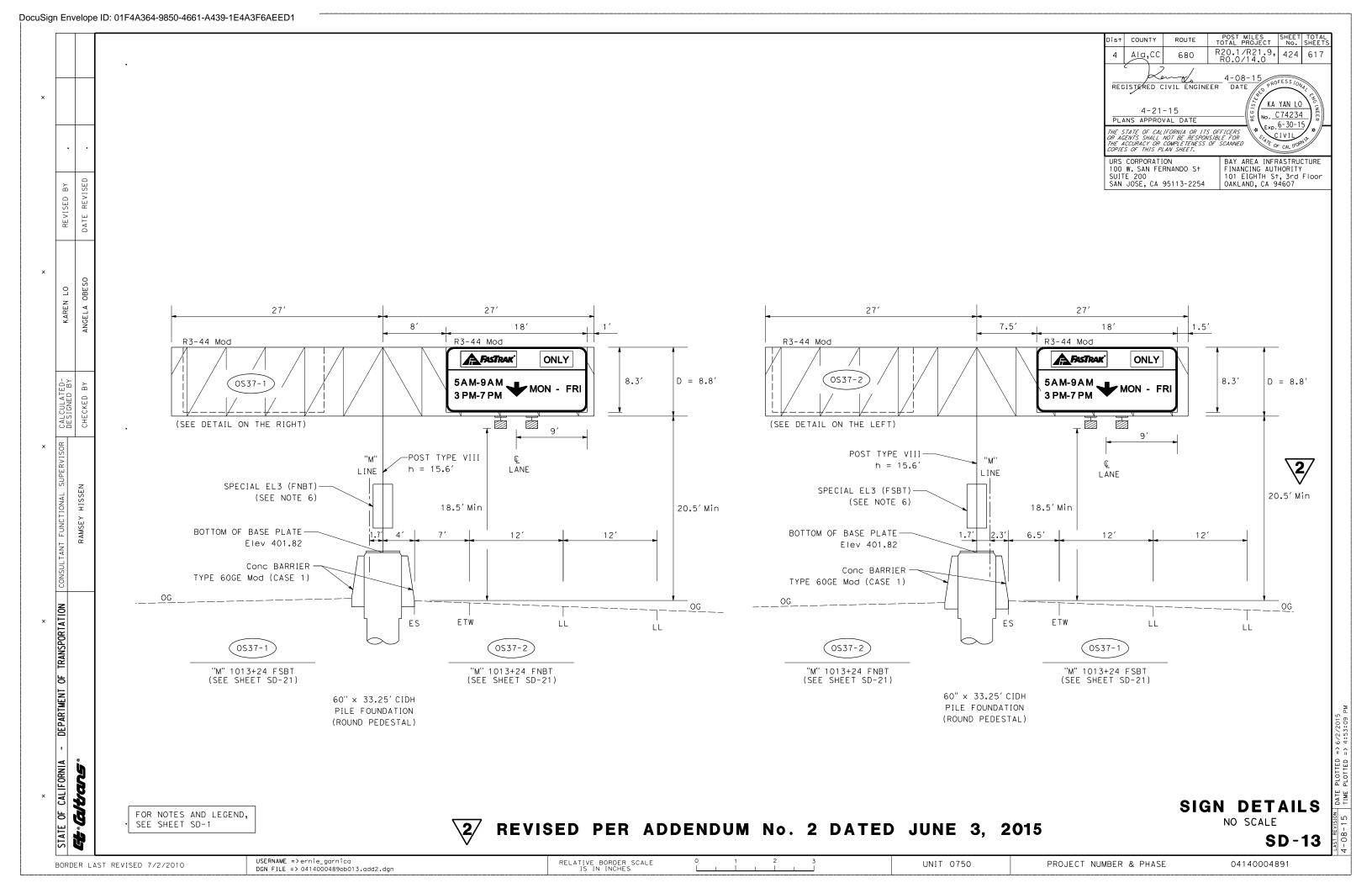
(IYPE	P)	
SHEET No.	EΑ	
TH-1	1	
TH-2	2	
TH-4	2	
TH-5	2	
	2	
TH-6 TH-7	2	
TH-9	1	
TH-10	1	
TH-11	2	
	2	
TH-12 TH-14	2	
TH-18	4	
TH-20	2	
TH-22	4	
TH-23	2	
TH-24	2	<b>∖2</b> /
TH-25	2	
TH-26	2	•
TH-28	4	
TH-29	1	
TH-30	3	
TH-31	2	
TH-32	2	
TH-33	2	
TH-36	2	
TH-40	4	
TH-43	1	
TH-44	1	
TH-45	5	
TH-47	2	
TH-48	2	
TH-49	2	
TH-51	2	
TH-52		
TH-55	3	
TH-56	2	
TH-57	2	
TH-59	2	
TH-60	2	
TH-61	2	
TH-63	2	
TH-63a	2	
TOTAL	91	

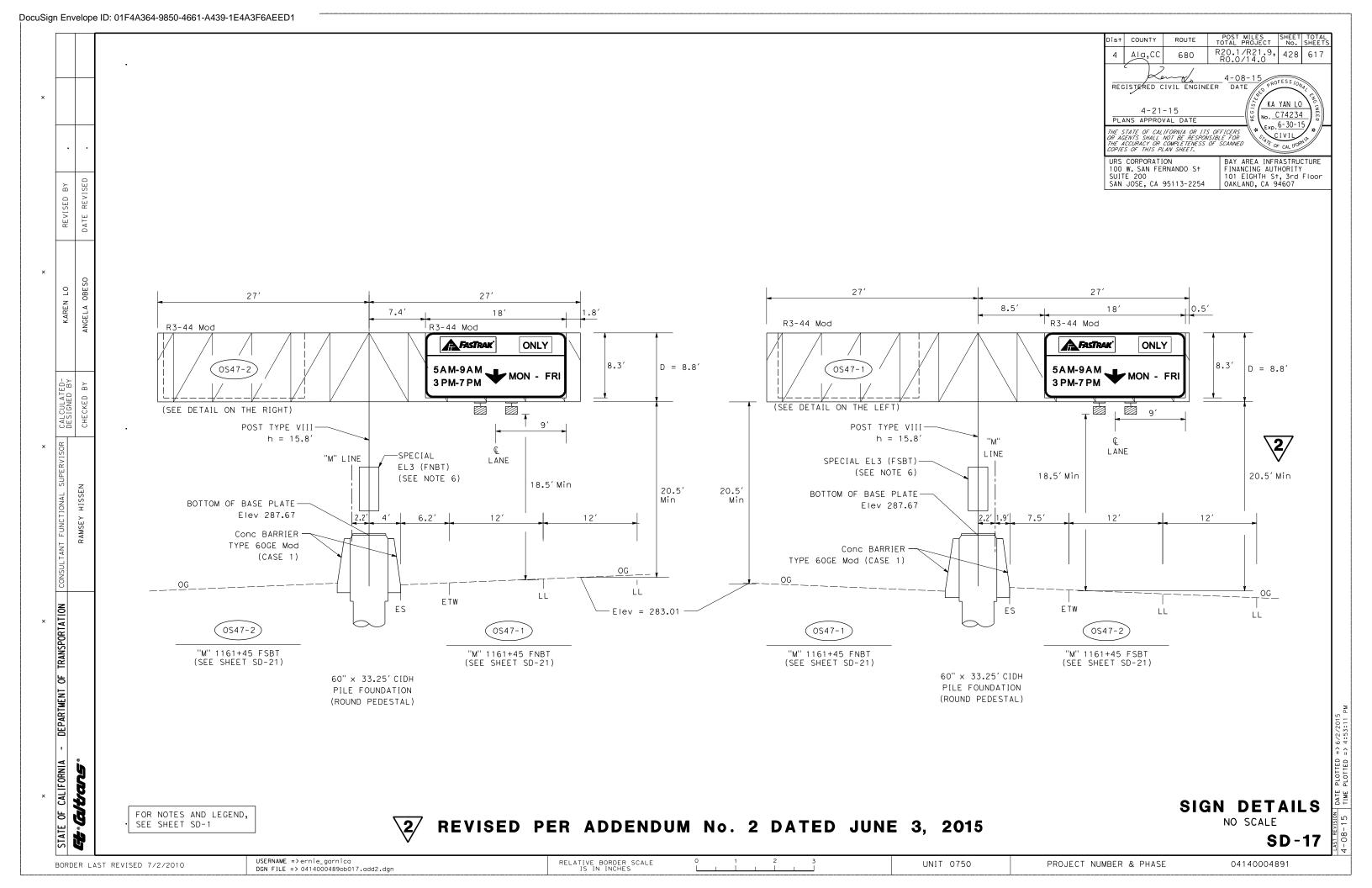
2/
REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015
TRAFFIC HANDLING QUANTITIES

APPROVED FOR TRAFFIC HANDLING WORK ONLY

THQ-2

USERNAME =>ernie\_garnica
DGN FILE => 0414000489mf002.add2.dgn RELATIVE BORDER SCALE IS IN INCHES 04140004891 UNIT 0750 PROJECT NUMBER & PHASE BORDER LAST REVISED 7/2/2010





			TEMP	ORARY FEN	CE	,	
		SHEET No.	S	STATION	LOCATION	TYPE ESA	WILDLI EXCLUS (TYPE
					ت	LF	LF
		L-3	"M" 484+30	TO "M" 487+46	L+	867.1	
.		L-3	"M" 486+32	TO "M" 490+46	L†	598.0	
		L-4 L-4	"M" 501+98	TO "M" 501+98 TO "M" 508+32	R†	46.4	
$\dashv$		L-4 L-8	"M" 550+91	TO "M" 550+91	R† L†	636.8 38.8	
	SED	L-8	"M" 550+91	TO "M" 557+87	R+	843.4	
	REVISE	L-8	"M" 555+51	TO "M" 561+80	L†	631.9	
	Б	L-9, L-10	"M" 571+89	TO "M" 583+56	L+	1239.8	
	DATE	L-9, L-10	"M" 578+34 "M" 578+60	TO "M" 588+55 TO "M" 579+89	R+	1065.5	
		L-10 L-10	"M" 580+43	TO "M" 579+89 TO "M" 583+57	<u>L</u> +	225.2 564.7	
		L-11	"M" 593+55	TO "M" 601+67	L+	861.4	
		L-11	"M" 601+67	TO "M" 606+00	L+		513.8
	NS.	L-12	"M" 608+61	TO "M" 619+50	L+	1160.0	
	. I AN	L-12, L-13	"M" 619+50	TO "M" 626+16	L†		700.0
	WILLIAMS	L-13, L-14, L-15 L-15, L-16	"M" 627+89 "M" 661+56	TO "M" 649+00 TO "M" 669+53	L†	2248.8	
		L-13, L-16 L-16, L-17	"M" 670+15	TO "M" 688+08	L† L†	848.8 1839.1	
	DAVID	L-18, L-19, L-20a	"M" 698+92	TO "M" 720+08	R†	2373.8	
		L-19, L-20	"M" 707+47	TO "M" 721+33	L†	1496.2	
		L-20, L-21	"M" 723+60	TO "M" 732+17	L+	1147.8	
		L-20a, L-21	"M" 721+39	TO "M" 732+18	R+	1281.0	
:	>-	L-21, L-22 L-21, L-22, L-23	"M" 739+30 "M" 743+56	TO "M" 754+15 TO "M" 760+62	L+ R+	1575.4 1765.0	
,	) BY	L-23	"M" 765+62	TO "M" 767+19	R+	191.1	
!	CKED	L-24, L-25a	"M" 780+27	TO "M" 790+11	R†	1399.6	
ביייייי	CHE(	L-24, L-25	"M" 780+27	TO "M" 788+52	L†	1088.2	
,	0	L-24, L-25	"M" 780+98	TO "M" 788+40 TO "M" 788+29	L†	2000.8	
		L-24, L-25a L-25a	"M" 783+24 "M" 790+90	TO "M" 788+29 TO "M" 795+97	R+ R+	1253.0 1745.6	
		L-25a	"M" 791+60	TO "M" 796+36	R†	875.6	
		L-26	"M" 803+41	TO "M" 811+26	R†	807.9	
	Z	L-27	"M" 816+12	TO "M" 823+23	L†	763.0	
	HISSEN	L-29 L-29	"M" 848+03	TO "M" 849+89 TO "M" 854+61	R† R†	215.7 174.6	
		L-33, L-34	"M" 899+86	TO "M" 911+43	L†	1357.4	
	/SE Y	L-34, L-35	"M" 914+94	TO "M" 925+96	L+	1350.5	
	RAN	L-36	"M" 946+05	TO "M" 946+05	L+	98.2	
		L-38	"M" 963+07	TO "M" 964+36	L†	341.1	
		L-38	"M" 963+49 "M" 969+35	TO "M" 964+09 TO "M" 972+05	<u>L</u> +	81.7 289.2	
		L-38 L-38	"M" 969+35	TO "M" 972+17	L† R†	293.2	
		L-38	"M" 969+35	TO "M" 973+42	R†	461.8	
		L-38	"M" 969+35	TO "M" 974+38	L+	550.5	
		L-39, L-40	"M" 976+94	TO "M" 1000+28	L†	2486.3	
		L-39, L-40 L-40	"M" 984+93 "M" 994+55	TO "M" 994+50 TO "M" 1000+43	R† L†	1074.6 1236.4	
		L-40, L-41	"M" 1001+08	TO "M" 1008+36	L+	1596.5	
		L-41	"M" 1002+65	TO "M" 1011+60	R†	1036.1	
		L-42, L-43	"M" 1019+26	TO "M" 1029+95	R†	1099.9	
		L-43, L-44	"M" 1030+64	TO "M" 1053+94 TO "M" 1035+04	L†	2399.1	
		L-43 L-43, L-44	"M" 1031+14	TO "M" 1054+03	R† R†	743.0 2359.6	
		L-44	"M" 1053+94	TO "M" 1055+22	L†		203.1
		 L - 4 4	"M" 1054+03	TO "M" 1056+78	R†		338.5
		L-45	"M" 1057+75	TO "M" 1061+51	R†		456.8
		L-45, L-46, L-47, L-48		TO "M" 1100+77	R†	3911.9	4577
		L-48, L-49 L-49	"M" 1100+77	TO "M" 1116+58 TO "M" 1113+38	R+ L+		1537.9 224.8
	ا لخ	L-49	"M" 1112+81	TO "M" 1115+53	L†		917.7
	<b>Grans</b>	L-49	"M" 1117+40	TO "M" 1121+03	R†		457.0
		L-49, L-50	"M" 1121+20	TO "M" 1123+87	R†	1.	688.5

TEMPO	DADV	FENCE	/CONTI	MILLEN
IEMPU	NARI	FENCE	<b>TOUNII</b>	NUE

SHEET No.	STATION		LOCATION	TYPE ESA	WILDLIFE EXCLUSION (TYPE E)
				LF	LF
L-50	"M" 1135+90	TO "M" 1137+50	R†		159.3
L-51, L-52	"M" 1137+50	TO "M" 1160+80	R†	2371.2	
L-52	"M" 1160+75	TO "M" 1160+75	R†		30.9
L-52	"M" 1160+80	TO "M" 1162+88	R†		383.0
L-52	"M" 1155+94	TO "M" 1160+74	L†	986.9	
L-52	"M" 1158+64	TO "M" 1160+75	R†	455.7	
L-52	"M" 1159+27	TO "M" 1160+73	L†	187.0	
L-52, L-53, L-54	"M" 1165+28	TO "M" 1189+57	R†		2430.0
L-54, L-55, L-56, L-57	"M" 1189+57	TO "M" 1229+55	R†	4020.6	
L-55, L-56	"M" 1203+40	TO "M" 1209+80	L†	639.7	
L-56, L-57	"M" 1209+80	TO "M" 1221+29	L†		1374.5
L-57, L-58	"M" 1221+29	TO "M" 1232+28	L†	1122.5	
L-57	"M" 1225+48	TO "M" 1229+74	L†	458.3	
L-57	"M" 1226+09	TO "M" 1229+60	R†	696.7	
L-57	"M" 1229+60	TO "M" 1229+60	R†		33.0
L-57, L-58	"M" 1229+56	TO "M" 1235+55	R†		581.6
L-57, L-58	"M" 1231+60	TO "M" 1235+58	R†		385.6
L-58	"M" 1235+23	TO "M" 1235+75	L†	49.8	
L-58	"M" 1235+33	TO "M" 1238+70	L+/ R+	608.3	
L-58	"M" 1238+14	TO "M" 1238+85	L+	93.0	
L-58	"M" 1242+18	TO "M" 1245+32	R†	685.5	
L-59, L-60	"M" 1261+40	TO "M" 1267+77	R†	1209.2	
L-60	"M" 1263+13	TO "M" 1270+08	L+	1930.2	
L-60	"M" 1263+91	TO "M" 1266+56	L+	908.0	
L-61	"M" 1278+08	TO "M" 1285+19	L+	727.5	
L-63	"M" 1310+26	TO "M" 1314+00	L+	805.4	
		Т	OTAL	74,592.2	11,416.0

Dis+	COUNTY	ROUTE	POST MILES SHEET TOTAL TOTAL PROJECT NO. SHEET				
4	Ala,CC	680	R20.1/R21.9, 460 617 R0.0/14.0				
	4-21 ANS APPROV		4-08-15 OFFSS				
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.							
100 SUIT	CORPORATI W. SAN FE E 200 JOSE, CA		BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607				

#### **ROADWAY QUANTITIES**

	RUAL	WAT	QUANTITI	ES	
SHEET No.	ST	ATION		LOCATION	HOT MIX ASPHALT (TYPE A)
				_	TON
L-3	"M" 483+16.91	TO "M"	484+43.08	R†	22.1
L-7	"M" 547+47.00	TO "M"	549+20.92	L+ & R+	67.6
L-7 TO L-9	"M" 539+50.00	TO "M"	569+38.00	R†	478.5
L-15	"M" 657+88.60	TO ''M''	658+73.30	L†	36.8
L-17	"M" 688+18.43	TO "M"	689+03.43	L†	36.8
L-18	"M" 692+19.00	TO ''M''	693+34.00	L+ & R+	91.4
L-19	"M" 706+44.81	TO "M"	707+29.81	L†	36.0
L-21	"M" 733+82.51	TO "M"	734+67.21	L†	36.8
L-22 TO L-23	"M" 758+84.86	TO ''M''	760+15.12	L†	22.8
L-23	"M" 761+18.86	TO "M"	762+03.86	L†	36.8
L-24 TO L-25	"M" 785+78.04	TO ''M''	787+49.99	L+ & R+	73.4
	"M" 793+11.97	TO ''M''	795+02.00	L+ & R+	81.4
L-33	"M" 899+45.00	TO ''M''	900+60.00	L+ & R+	91.4
L-38	"M" 963+97.98	TO "M"	965+65.04	L+ & R+	62.1
	"M" 964+61.71	TO "M"	965+50.06	L+	36.8
L-42	"M" 1018+26.46	TO "M"	1019+11.46	R†	36.8
L-48	"M" 1103+33.00	TO "M"	1104+27.00	L+	27.6
	"M" 1104+06.79	TO "M"	1104+94.42	R†	35.9
L-49	"M" 1113+55.86	TO "M"	1115+29.88	L+ & R+	136.3
L-52	"M" 1160+73.86	TO "M"	1162+16.14	R†	41.6
L-53	"M" 1171+82.21	TO "M"	1175+51.78	L† & R†	281.9
L-56	"M" 1210+57.88	TO "M"	1211+48.11	R†	26.8
	"M" 1211+75.69	TO "M"	1212+61.85	L+	36.8
L-57	"M" 1230+29.09	TO "M"	1230+69.81	L†	11.8
FROM PLACE H	HOT MIX ASPHALT [	DIKE			14.2
				TOTAL	1,860.1



SHEET No.	STATION	OCATION	CONCRETE SLOPE PAVING				
		Ľ	CY				
L-33	"M" 902+00.00 TO "M" 902+60.00	L†	11.1				
	TOTAL 11.1						

SUMMARY OF QUANTITIES

Q-5

**2**/

REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

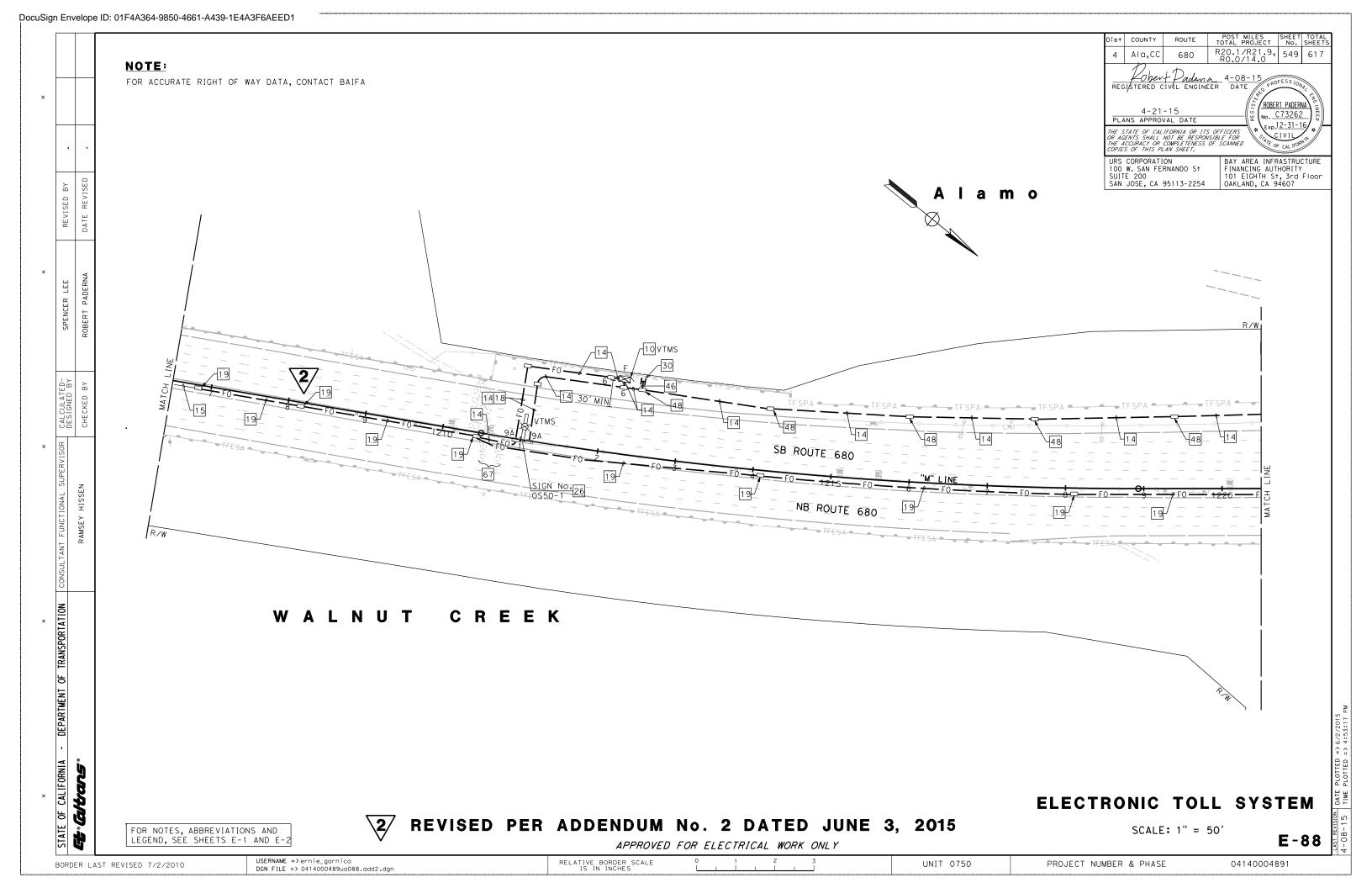
BORDER LAST REVISED 7/2/2010

USERNAME => ernie\_garnica
DON FILE => 0414000489pa005.add2.dgn

RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0750
PROJECT NUMBER & PHASE
04140004891

| DATE PLOTTED => 6/2/2015 | SIME PLOTTED => 4:53:14 F



	NOTES:	INDEX OF BA	CKHAUL COMMUNICATION PLANS:	Dis-
	1. THIS PROJECT HAS BEEN DESIGNED USING CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS, 2010 EDITION.	SHEET NUMBER EE-1	TITLE NOTES, LEGEND, ABREVIATIONS,	
	2. ALL NEW INFRASTRUCTURE SHALL BE INSTALLED WITHIN RIGHT-OF-WAY OR EASEMENTS, CONTRACTOR MUST IDENTIFY AND IS RESPONSIBLE FOR ALL UTILITY IDENTIFICATION PRIOR TO INSTALLATION.	EE-2 TO EE-16	AND INDEX OF BACKHAUL COMMUNICATIONS PLANS BACKHAUL COMMUNICATIONS DETAILS (CONDUIT RE-ROUTING DETAILS)	
	3. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT (800) 227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO LOCATE ALL EXISTING UNDERGROUND UTILITIES. UTILITY LOCATION SERVICES SHALL MEET LOCAL JURISDICTION REQUIREMENTS.	EE-17	BACKHAUL COMMUNICATIONS DETAILS (FIBER OPTIC PULL BOX)	THE OR THE COF
• •	4. THE FOLLOWING UNDERGROUND FACILITIES MAY BE LOCATED IN THE PROJECT AREA: PULL BOXES, CONDUIT, AND	EE-18	BACKHAUL COMMUNICATIONS DETAILS (FIBER OPTIC MARKER)	UF 1 (
SED BY	CABLE FOR STREETLIGHTS, TRAFFIC SIGNALS, AND TRAFFIC OPERATIONS SYSTEMS. UNLESS OTHERWISE NOTED, ALL EXISTING FACILITIES SHALL BE PROTECTED-IN-PLACE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE LOCAL JURISDICTION FOR LOCATIONS AT LEAST 2 WORKING DAYS PRIOR TO WORKING IN THE AREA.	EE-19	BACKHAUL COMMUNICATIONS DETAILS (LOOP DETECTOR PLACEMENT DETAIL)	S.
REVISED DATE REV	5. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES IS APPROXIMATE AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE DESIGN ENGINEER. THE	EE-20	BACKHAUL COMMUNICATIONS DETAILS (BORE PIT BACKFILL)	
a o	LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON PLANS WERE OBTAINED FROM THE BAY AREA EXPRESS LANES COMMUNICATION NETWORK CONDUIT TESTING REPORT AND CALTRANS RECORDS AND PLANS. IT SHALL BE THE	EE-21 EE-22	BACKHAUL COMMUNICATIONS DETAILS (TRUNKLINE MODIFICATION)	
PASKE Y AGUIGUI	CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. THE CONTRACTOR WILL NOT BE COMPENSATED FOR THE REPAIR OF UTILITIES OR SURROUNDING INFRASTRUCTURE THAT IS DAMAGED DURING CONSTRUCTION.	EE-22	BACKHAUL COMMUNICATIONS QUANTITIES	
JOEY P	6. CONTRACTOR SHALL PROTECT ALL EXISTING INFRASTRUCTURE AREAS NOT SPECIFIED FOR REMOVAL, AND SHALL BE RESPONSIBLE TO REPLACE OR REPAIR ANY DAMAGED INFRASTRUCTURE AREAS IN A TIMELY MANNER AT NO	LEGEND:		
,   <del>,</del>	ADDITIONAL COST. THE CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING PLANTINGS, MATERIALS, AESTHETIC FEATURES, LANDSCAPING, AND IRRIGATION SYSTEMS, AND REPLACE OR RECONSTRUCT ANY PLANTS, MATERIALS, AESTHETIC FEATURES, LANDSCAPING, AND IRRIGATION SYSTEMS DAMAGED DURING THE COURSE OF CONSTRUCTION PER	1 Exis+ 3"C, 1-72 STR SMFO CABLE. 2 INSTALL 3"C, PT.		
	THE LANDSCAPE AND AESTHETICS PERFORMANCE SPECIFICATION.		, PT. "'C, PT, 2#4 (120 V TOS POWER).	
D BY	7. CONDUIT ROUTING, PULL BOX, POLE, AND CABINET LOCATIONS ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE		, PT, 2#4 (120 V TOS POWER).	
CHECKED BY	ENGINEER.  8. ALL NEW CONDUIT SHALL BE INSTALLED PER THE CALTRANS STANDARD SPECIFICATIONS AND PER SPECIFIED		0.6 PULL BOX AND INSTALL FIBER OPTIC PULL BOX WITH EX- RUNS AS REQUIRED FOR FIBER OPTIC INSTALLATION. SEE DE	
	DETAILS ON THESE SHEETS UNLESS OTHERWISE NOTED ON THE PLANS.		LOOP WIRES TO Exist 4 DLC. TECTOR PLACEMENT DETAIL ON SHEET E-19.	
	9. THE CONTRACTOR SHALL PLACE ALL CONDUIT IN A MANNER THAT MINIMIZES HORIZONTAL AND VERTICAL BENDING, NOT TO EXCEED 1 FOOT PER 10 FEET.	8 INSTALL 3"C	AND CC TO Exist 3"C. TERMINATE CONDUIT IN NEW NO. 6 P + DLC TO NEW DLC IN NEW NO. 6 PULL BOX AS INDICATED O	JLL BOX.
.   🖆	10. ANY REMOVAL OF PAVEMENT NECESSARY TO FACILITATE INSTALLATION OF CONDUIT UNDER ROADWAY SHALL BE REPLACED TO ITS ORIGINAL CONDITION.	9 SPLICE Exis	+ 2#4 CONDUCTORS TO NEW 2#4 CONDUCTORS IN PULL BOX.	
RAMSEY HISS	11. PULL BOXES SHALL BE INSTALLED PER STANDARD PLANS AND PER DETAILS IN THESE PLANS. PULL BOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS NOR IN OR WITHIN TEN (10) FEET OF ANY DRIVEWAY OR LOCATED IN SWALES OR DITCHES. PULL BOXES TO BE INSTALLED IN THE PAVED ROADWAY SHOULDER SHALL BE TRAFFIC-RATED.		DUIT VIA HORIZONTAL DIRECTIONAL DRILL METHOD.  C STUB-UP TO LOOPS.  PT.	
	12. THE COMPLETE ELECTRICAL SYSTEM, INCLUDING PULL BOXES AND VAULTS, SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). ALL WORK SHALL BE IN COMPLIANCE WITH THE NEC AND LOCAL CODES.		-12 STR SMFO CABLE.	
	13. ELECTRICAL PULL BOXES FOR CONDUIT SYSTEMS THAT DO NOT CONTAIN FIBER OPTIC CABLE SHALL HAVE A MAXIMUM SPACING OF 500'.	14 Exist 3"C, 2	2-72 STR SMFO CABLE.	
	14. LOCATION OF EXISTING PULL BOXES, VAULTS, TSCS, ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING PULL BOXES TO BE UTILIZED AS PART O THE BACKHAUL COMMUNICATIONS SYSTEM PRIOR TO STARTING WORK.			
	ABBREVIATIONS:  (SEE RSP ES-1A, RSP ES 1-B, RSP ES-1C)  (SEE RSP ES-1A, RSP ES 1-B, RSP ES-1C)			
	BAIFA BAY AREA INFRASTRUCTURE FINANCING AUTHORITY <u>NEW EXISTING</u>			
	CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION  E ELECTRIC FOB FACE OF BARRIER  FIBER OPTIC PULL BOX  (SEE SHEET E-17 FOR  INSTALLATION DETAIL)			
(a/tans	FOT FIBER OPTIC TRUNKLINE  SMFO SINGLE MODE FIBER OPTIC  STR STRAND		NOTES, LE Abbreviatio Index of Backhaul Co	NS,

POST MILES SHEET TOTAL TOTAL PROJECT NO. SHEETS + COUNTY R20.1/R21.9, 566A 617 Ala,CC **6**/80 5-13-15 REGISTERED CIVIL ENGINEER DATE RAMSEY J. HISSEN No. <u>C39608</u> Exp. 12-31-15 5-15-15 PLANS APPROVAL DATE PLANS APPROVAL DATE

WHE STATE OF CALIFORNIE OF ITS OFFICERS
WE AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED OPPIES OF THIS PLAN SHEET.

JRS CORPORATION
100 W. SAN FERNANDO ST
SUITE 200
5AN JOSE, CA 95113-2254

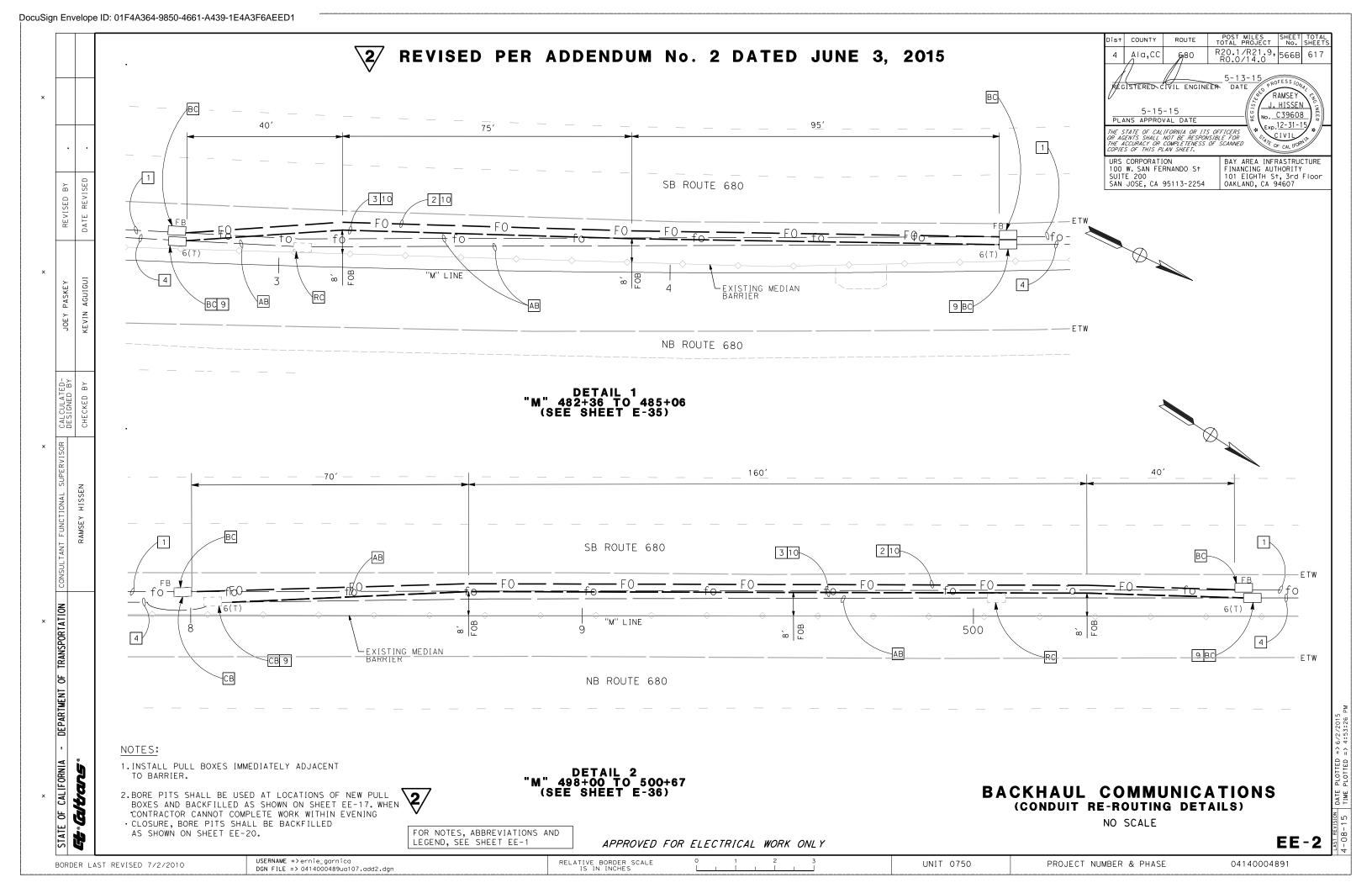
OAKLAN CIVIL BAY AREA INFRASTRUCTURE FINANCING AUTHORITY 101 EIGHTH St, 3rd Floor OAKLAND, CA 94607

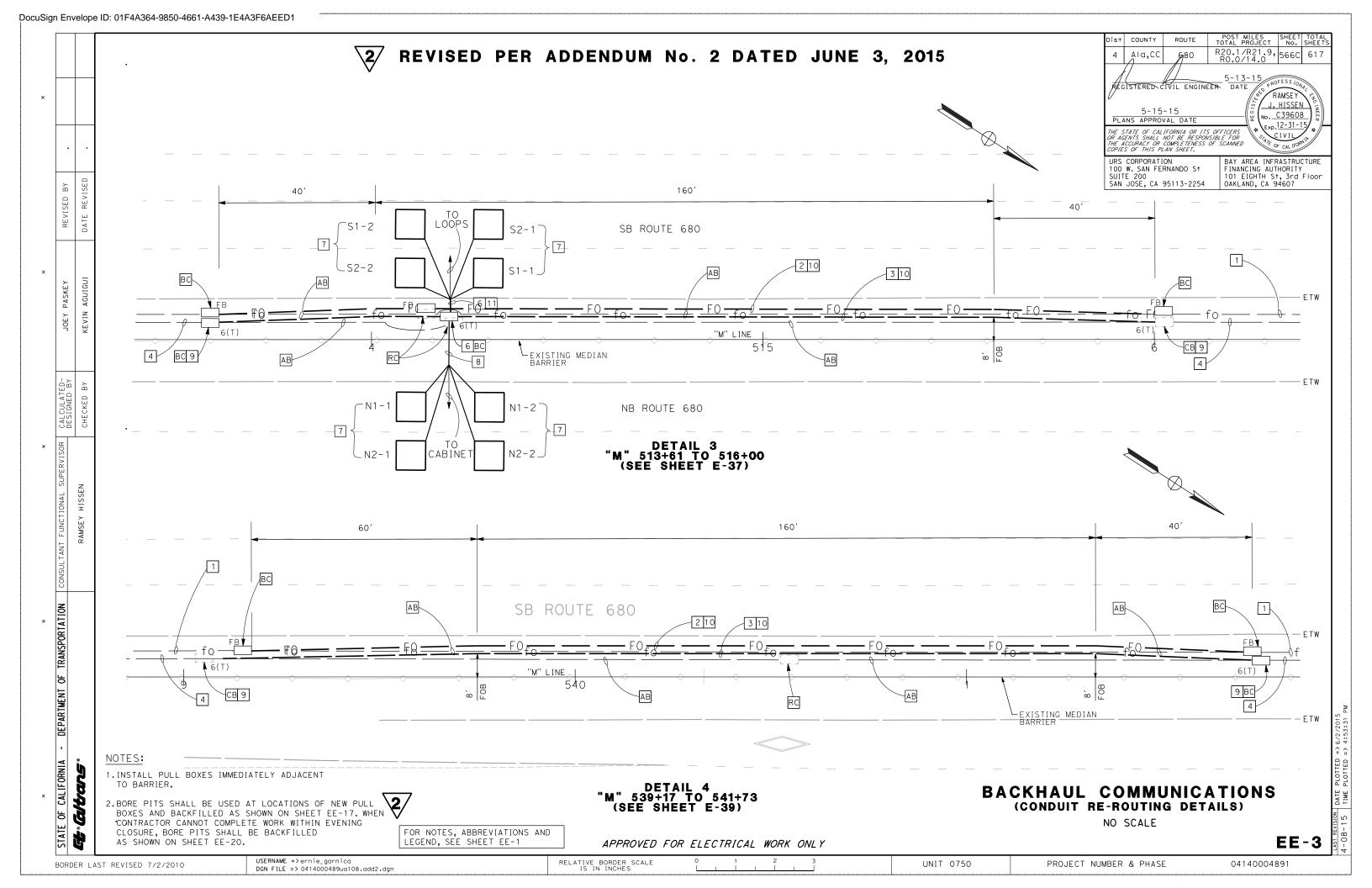
- NS AND MODIFY EXISTING ON SHEET E-21.

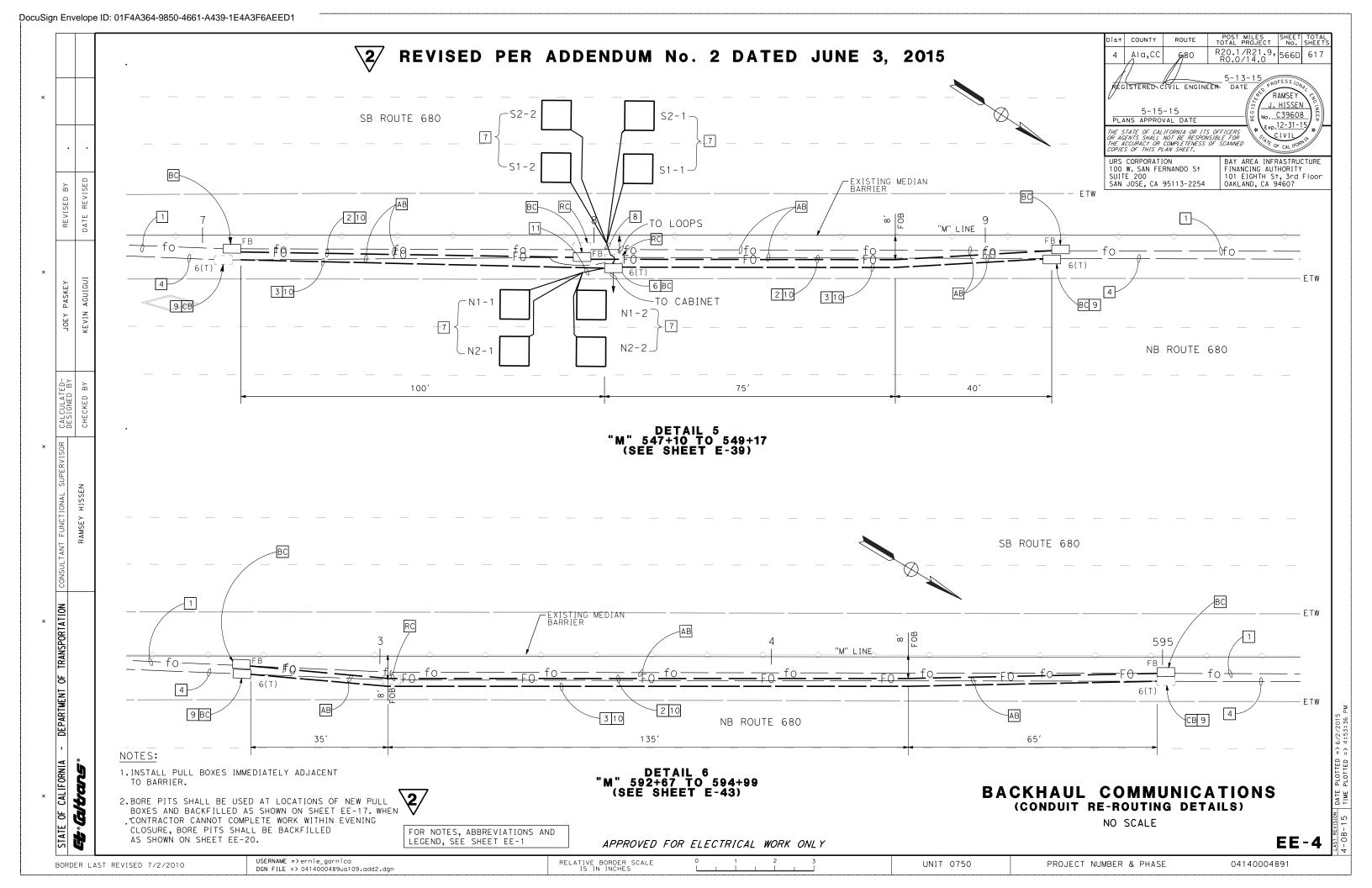
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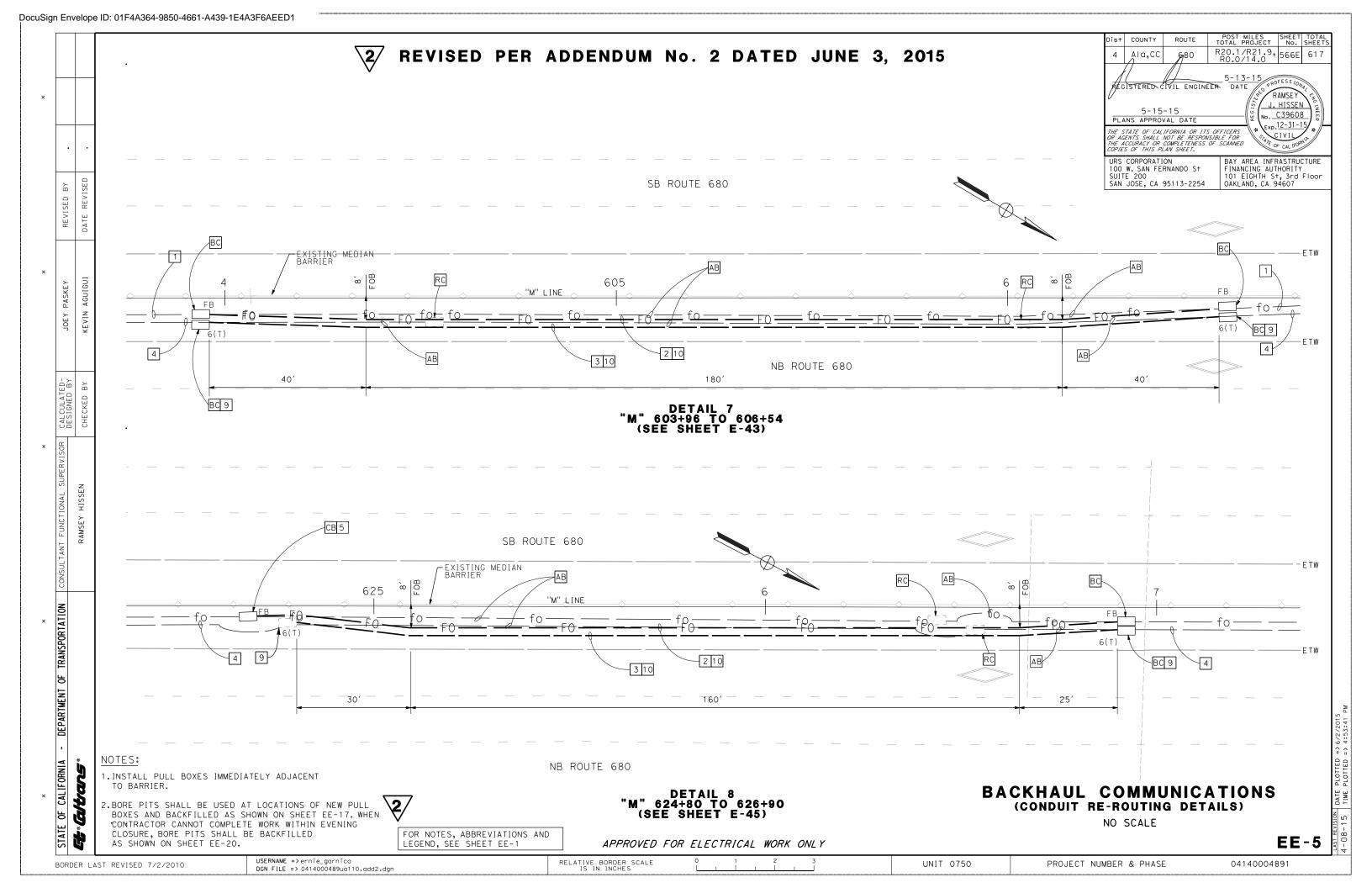


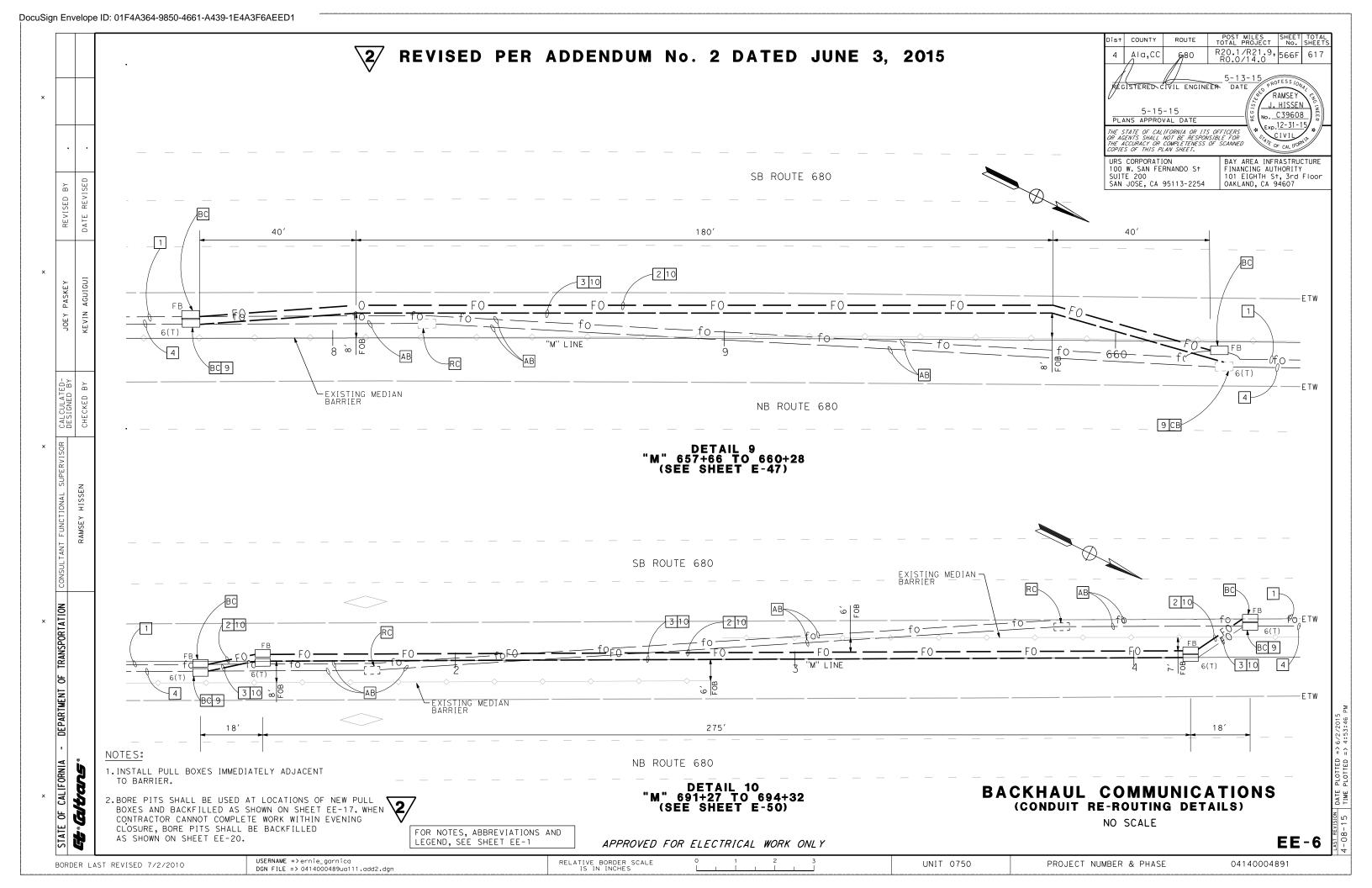
EE-1

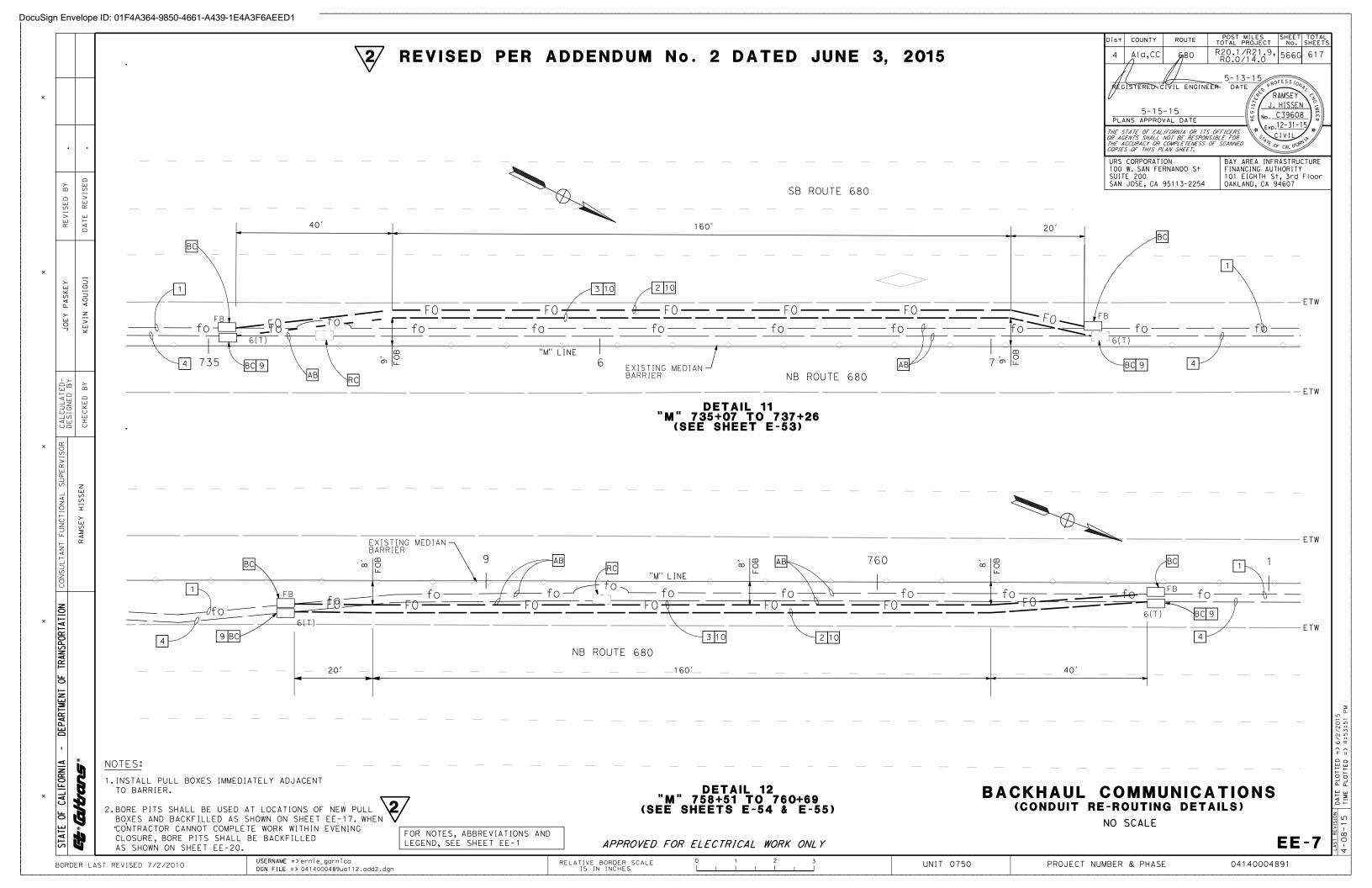


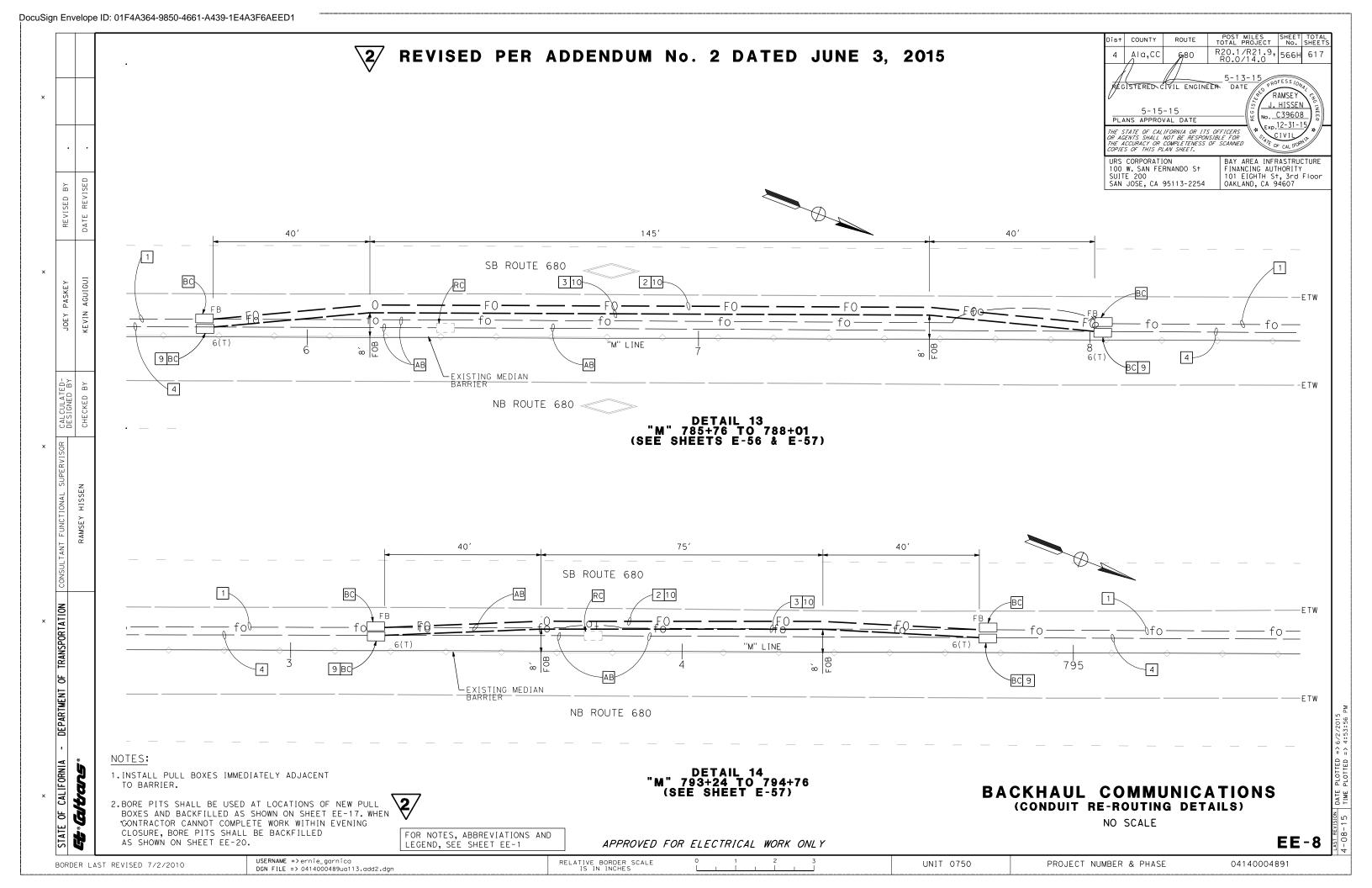


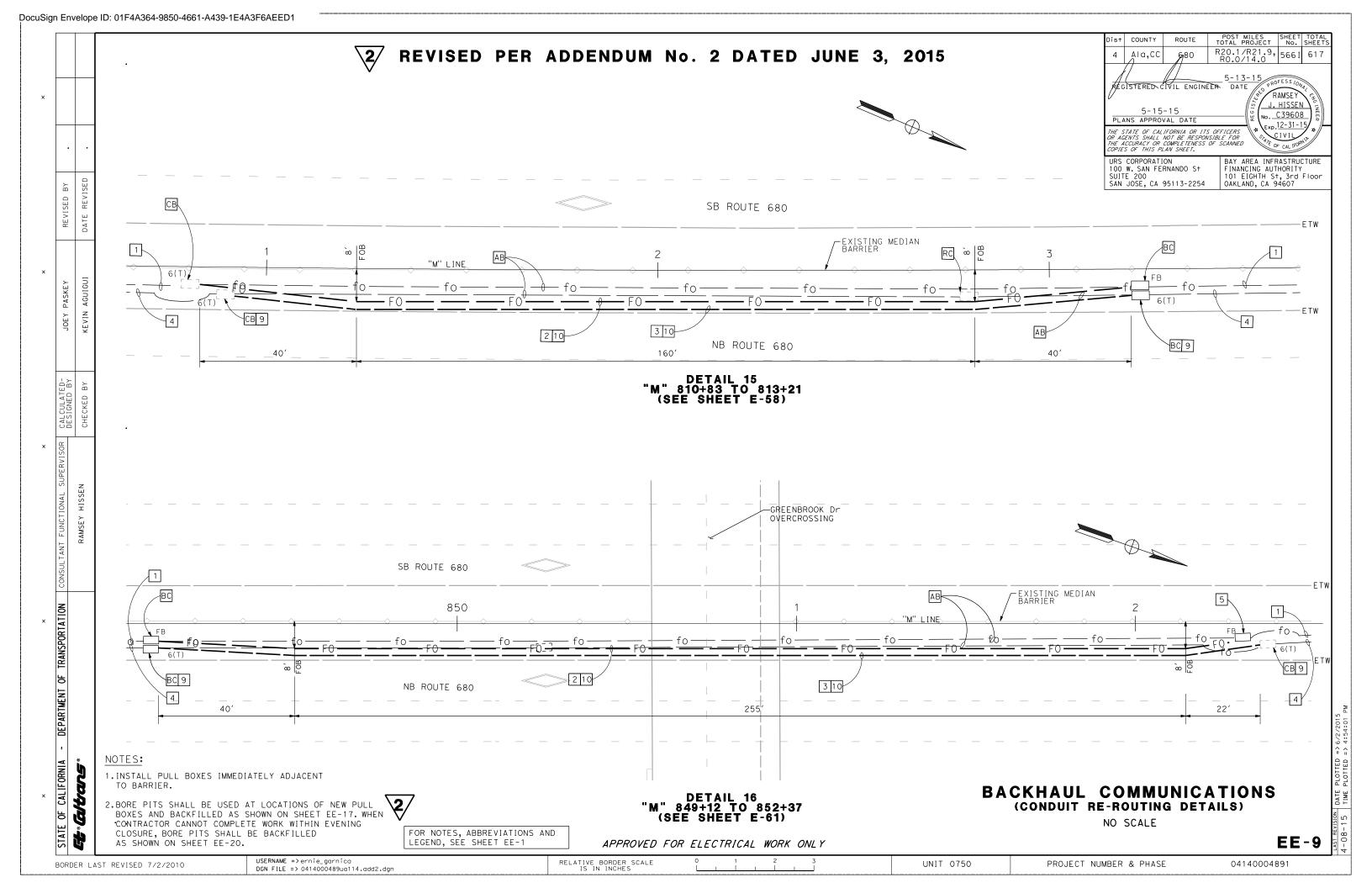


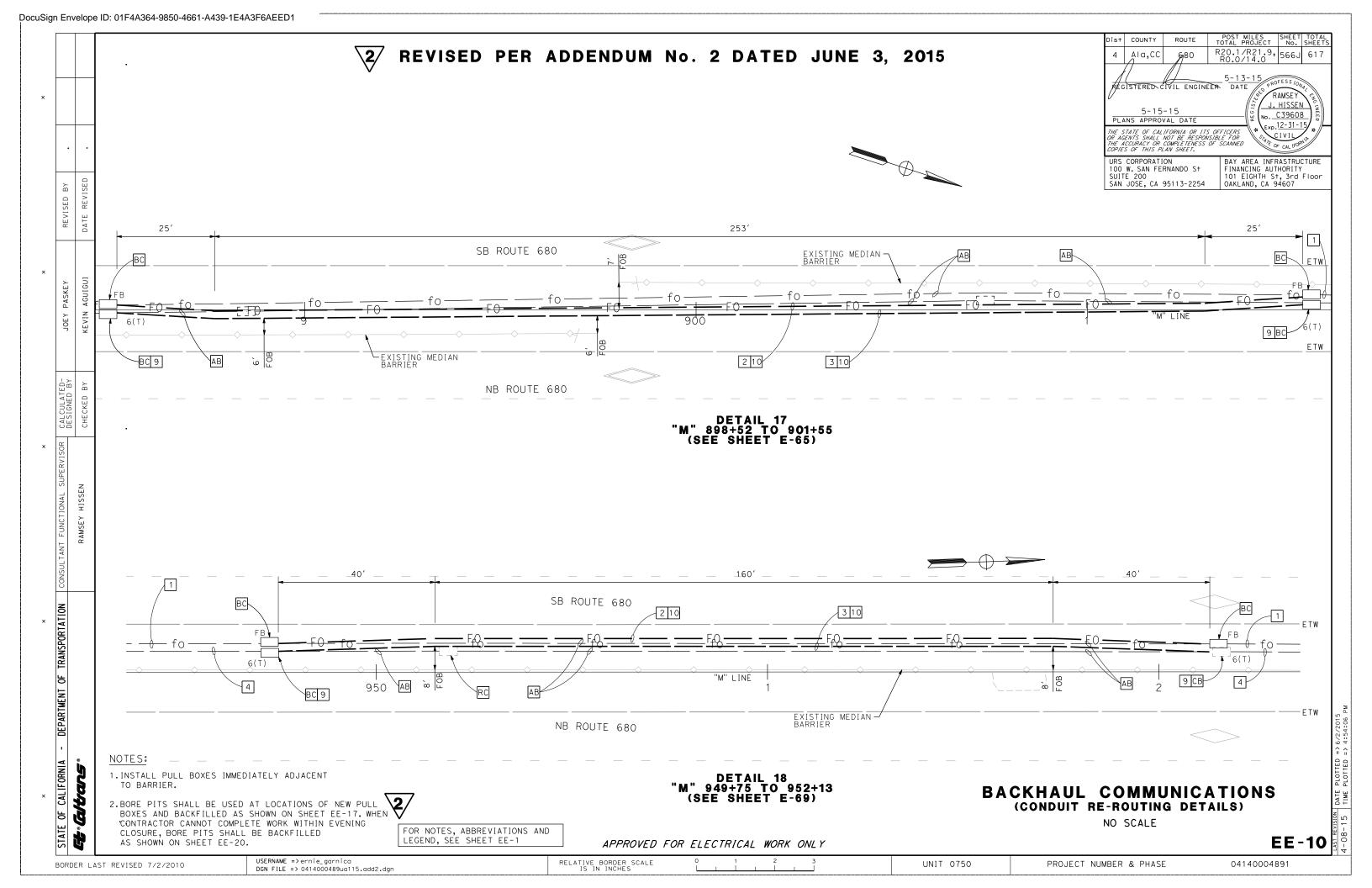


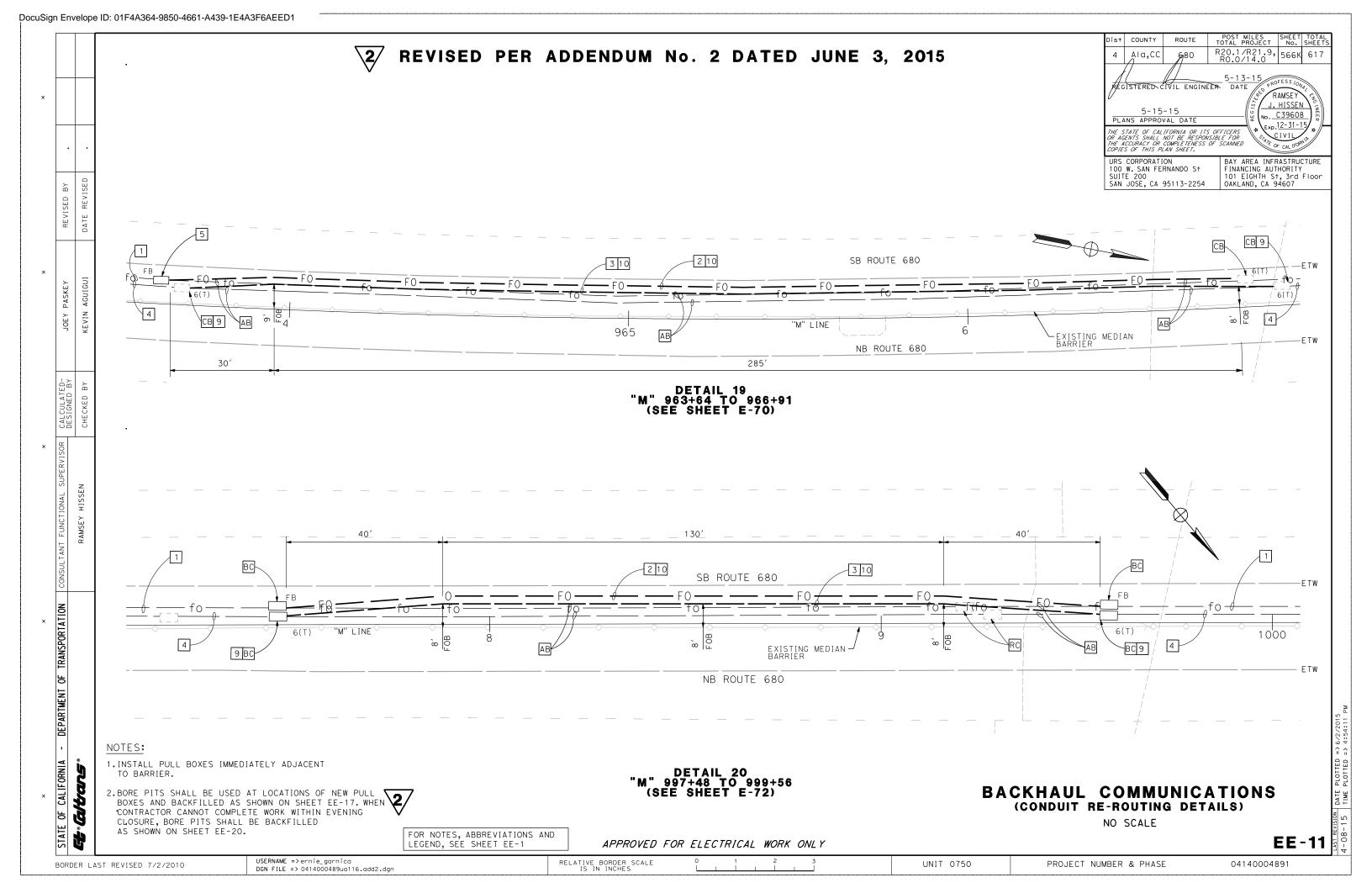


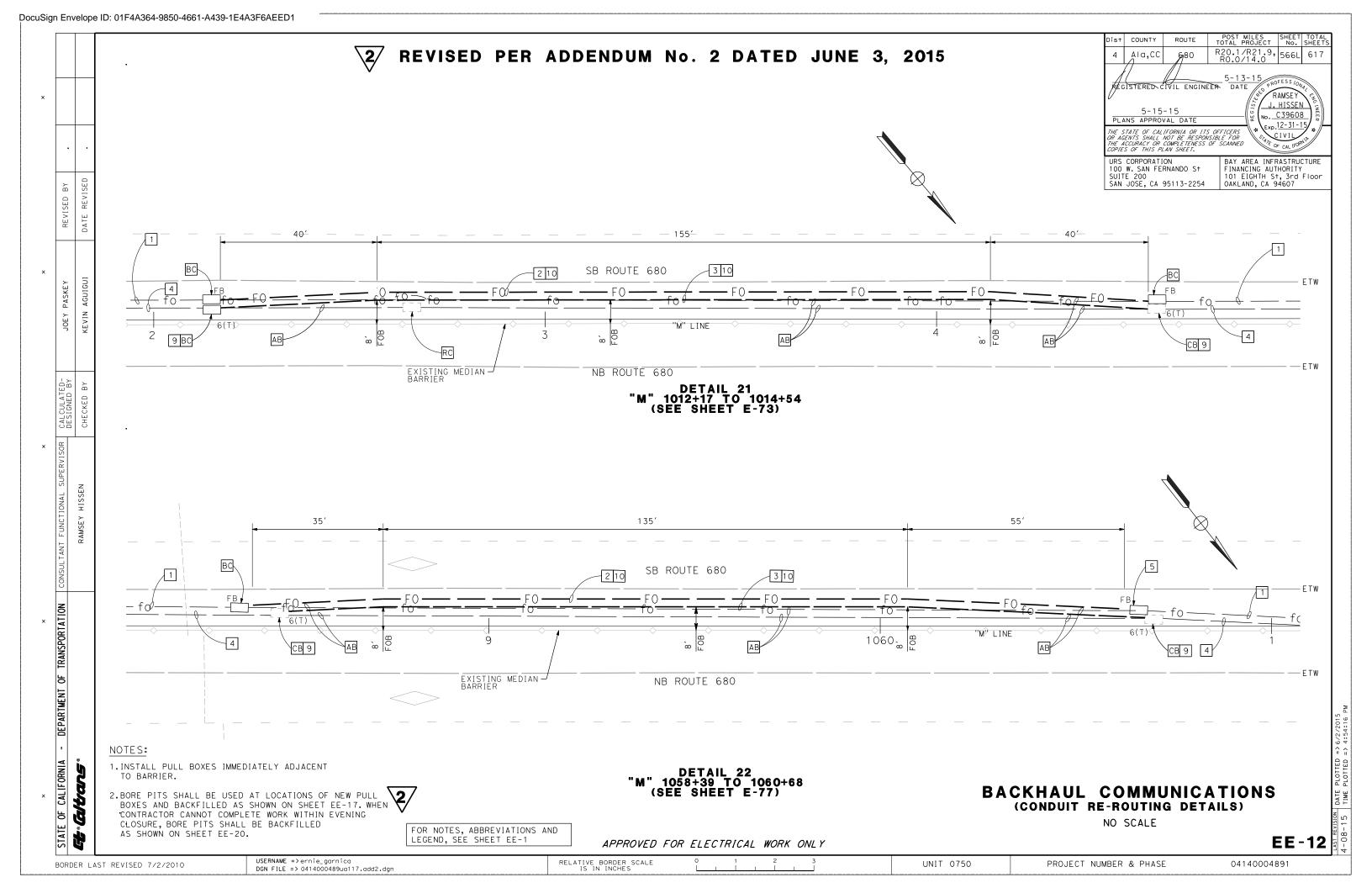


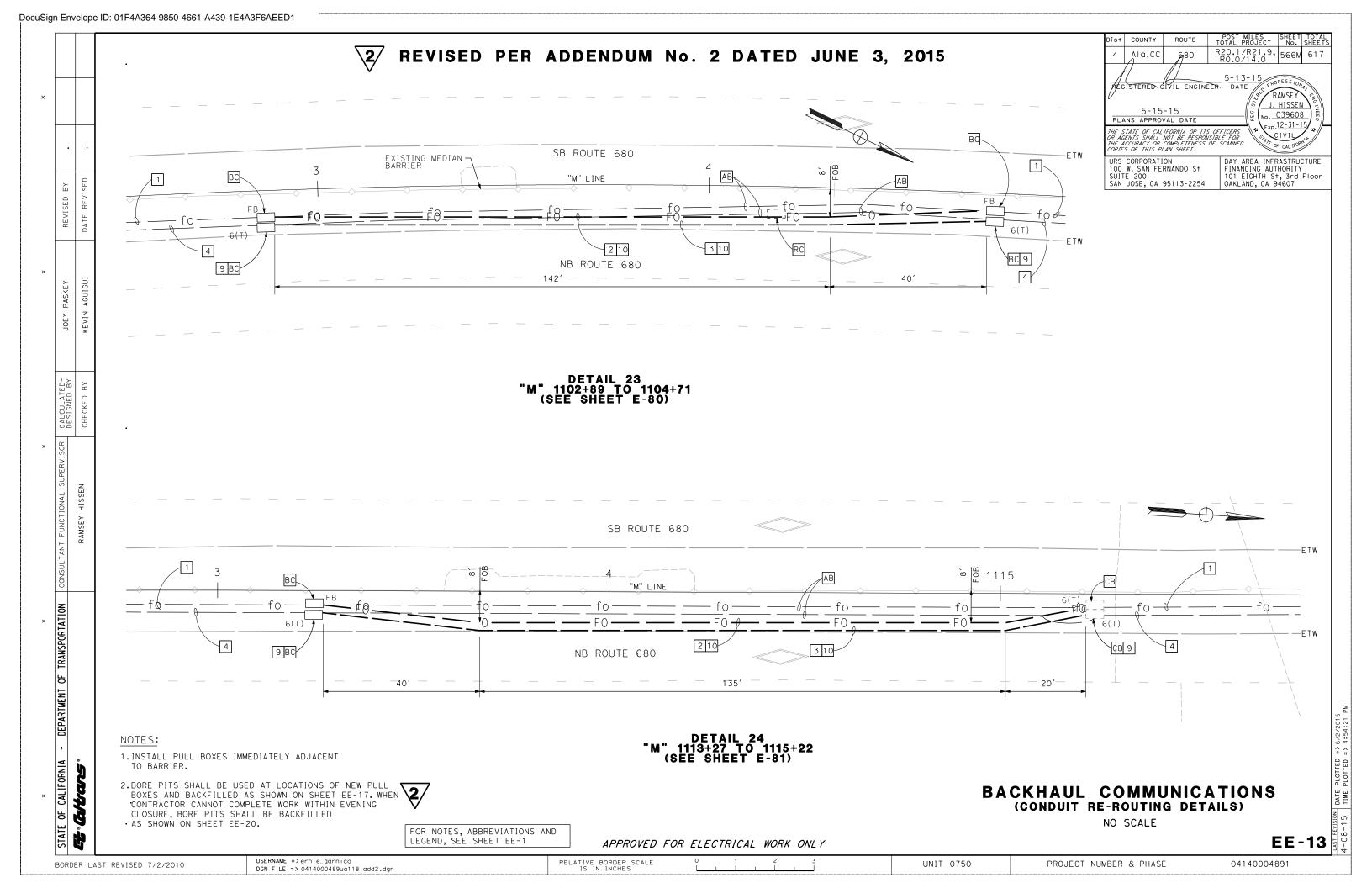


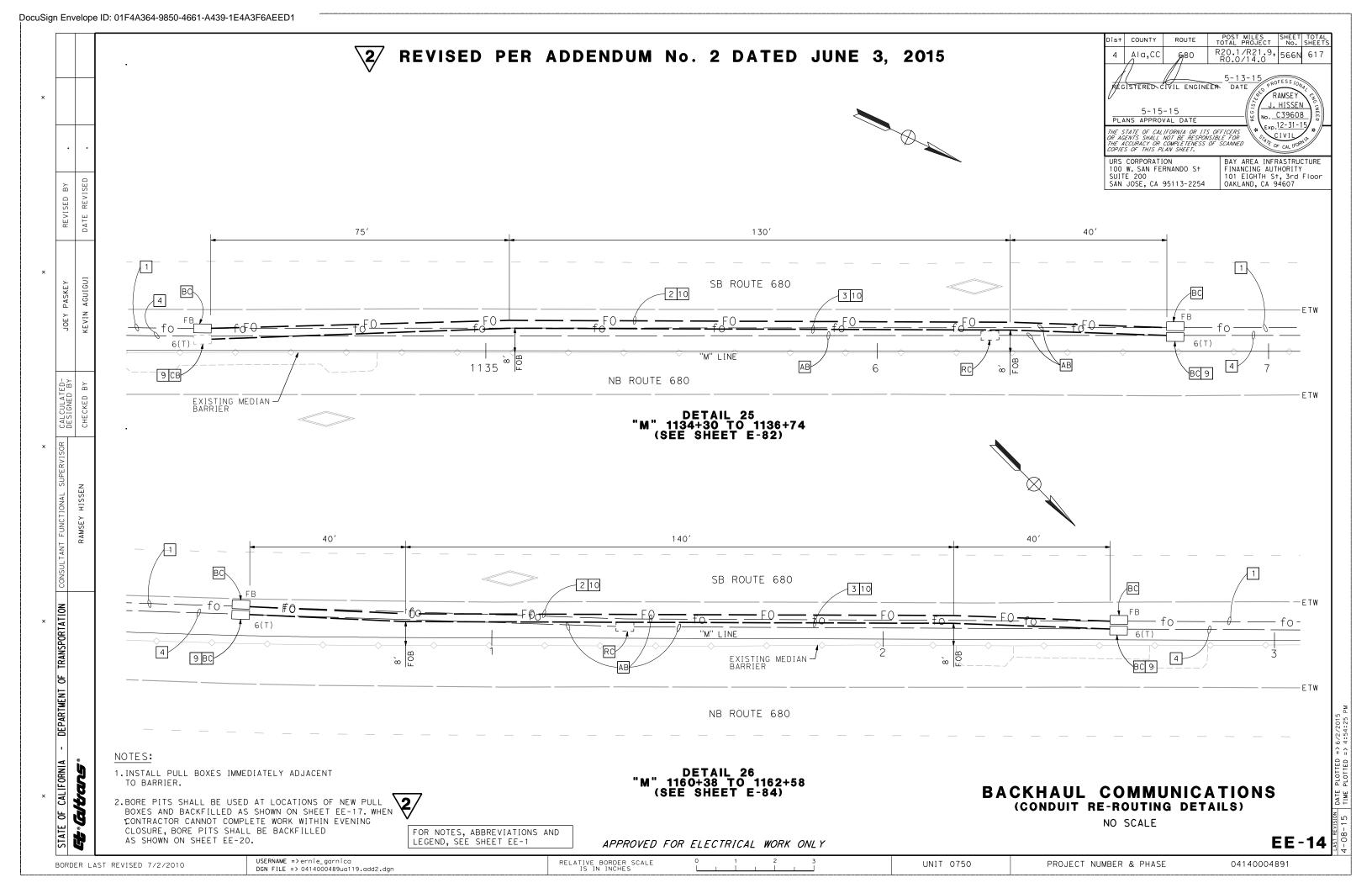


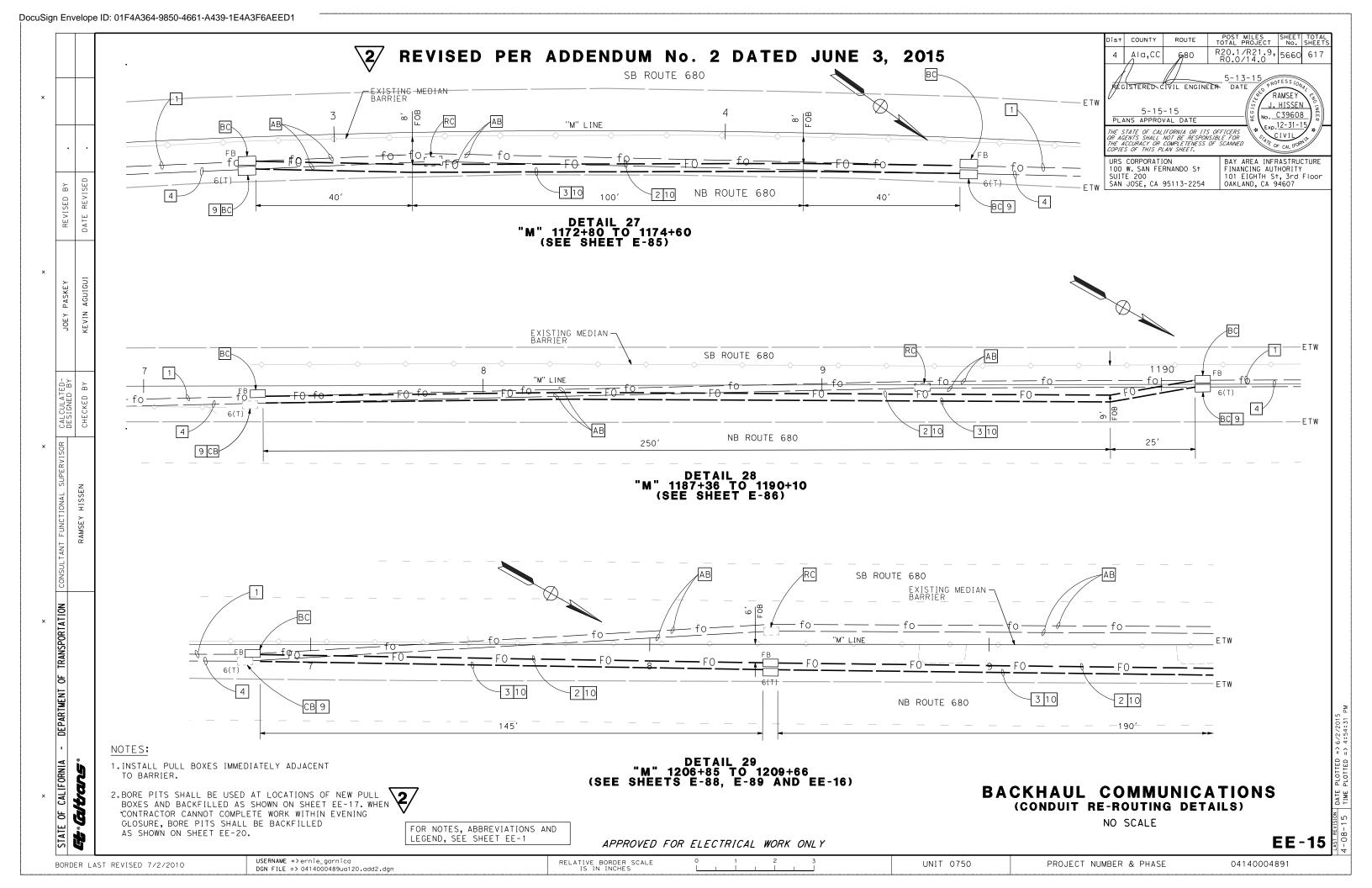










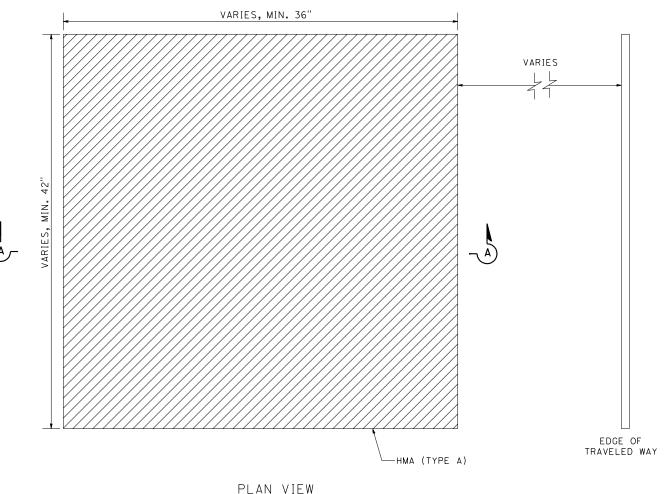


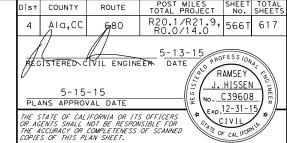


# REVISED PER ADDENDUM No. 2 DATED JUNE 3, 2015

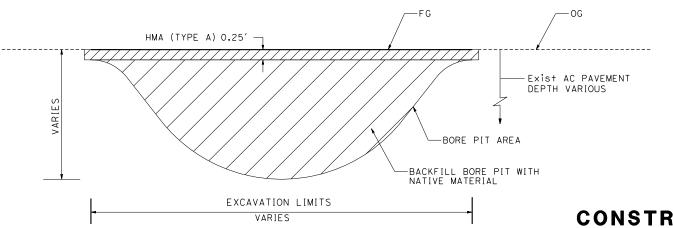
#### NOTES:

- 1. BORE PITS SHALL ONLY BE USED AT LOCATIONS WHERE PULL BOXES OR FIBER SPLICE VAULTS ARE PROPOSED. ONCE ALL WORK HAS BEEN PROPERLY COMPLETED BACKFILL IN ACCORDANCE WITH DETAIL EE-17.
- 2. BORE PIT SHALL BE BACKFILLED IN ACCORDANCE WITH THIS DETAIL WHEN EXCAVATED LOCATIONS CANNOT BE PROPERLY COMPLETED WITHIN THE SAME DAY.
- 3. PAVEMENT SURFACE SHALL SIT FLUSH WITH THE SURFACE OF THE EXISTING PAVEMENT.
- 4. NATIVE SOIL USED AS BACKFILL MUST BE FREE OF LOOSE AND EXTRANEOUS MATERIAL.
- 5. AGGREGATES MUST BE CLEAN AND FREE FROM DELETERIOUS SUBSTANCES.
- 6. COMPACT THE NATIVE SOIL AND HMA PAVEMENT TO 95 PERCENT RELATIVE COMPACTION. USE A PNEUMATIC TAMPER, PLATE COMPACTOR, OR EQUIVALENT TO ACHIEVE THOROUGH COMPACTION.
- 7. AGGREGATE GRADATION FOR HMA TYPE A SHALL BE 3/4".
- 8. EXCAVATED MATERIAL SHALL BE PILED IN SUCH A MANNER THAT IT WILL NOT ENDANGER THE WORKERS, MOTORISTS, OR OBSTRUCT NATURAL WATERCOURSES.
- 9. PRIOR TO BACKFILLING BORE PIT, CONDUIT SHALL BE TEMPORARILY PLUGGED, CAPPED, OR OTHERWISE PROTECTED FROM THE ENTRANCE OF DUST, TRASH AND MOISTURE.
- 10. PAYMENT FOR EXCAVATION AND BACKFILL MATERIALS QUANTITY IS INCLUDED IN "BACKHAUL COMMUNICATIONS" WORK.





URS CORPORATION 100 W. SAN FERNANDO S† BAY AREA INFRASTRUCTURE FINANCING AUTHORITY
101 EIGHTH St, 3rd Floor
OAKLAND, CA 94607 SUITE 200 SAN JOSE, CA 95113-2254



**CONSTRUCTION DETAIL** (BORE PIT BACKFILL)

NO SCALE

**EE-20** 

BORDER LAST REVISED 7/2/2010

DEPARTMENT OF TRANSPORTATION

CALIFORNIA

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DGN FILE => 0414000489ua125.add2.dgn

RELATIVE BORDER SCALE
IS IN INCHES

SECTION A-A

UNIT 0750

PROJECT NUMBER & PHASE

04140004891

EE-21

BORDER LAST REVISED 7/2/2010

USERNAME =>ernie\_garnica
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RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0750

PROJECT NUMBER & PHASE

04140004891

# APPENDIX D

**San Ramon Encroachment Permit Application** 

# **CITY OF SAN RAMON**



**ENGINEERING** SERVICES DEPARTMENT

2401 Crow Canyon Road San Ramon, CA 94583 Inspection: 925-973-2692 Phone: 925-973-2670

Fax: 925-838-3937

	PERMIT NUMBER	
VALID FROM	то	

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2000 0 0 0 V 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Enginee	ring@san	ramon.ca.gov	Encro	achmen	t Permit	
APPLICANT NAM	E: O Homeown	er Contractor	Agent	PHONE		FAX		
ADDRESS:								
STATE CONTRAC	CTOR'S LIC. NO.	CITY BUSINESS LIC. NO.	SITE CON	TACT PERSON		PHONE		
LOCATION(S) OF	WORK:				START DATE	СОМ	PLETION DATE	
DESCRIPTION OF	WORK (PLEASE	ATTACH SKETCH OR DRAV	VING WHEN	APPLICABLE ):				
\$		AND I AG		AT ALL INFORMATION PR MPLY WITH THE CONDITI				
TOTAL ESTIMA	ATED COST OF W	ORK	_	APPLICANT SIGNAT	URE		DATE	
		IED AT LEAST 1- WORKING ROACHMENT INSPECTION L			K AND WHEN WOR	K IS COMPLETED	BY CALLING	
*** WORK SH		TED WITHIN THREE MONTHS OR TO THE EXPIRATION DA						
MUNICIPAL C FAILS TO COI	ODE. THE CITY RI MPLY WITH THE T	IIT IS ISSUED IN ACCORDAN ESERVES THE RIGHT TO SU ERMS AND CONDITIONS OF ABLE FOR ALL COSTS INCU	SPEND OR ( THIS PERMI	CANCEL THIS PERMIT, W T. IN THE EVENT OF SUC	ITHOUT ADVANCE CH SUSPENSION O	NOTICE, IF THE P R CANCELLATION	ERMITTEE	
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PRIOR TO COM	MENCEMENT OF V	VORK, A PRECONSTRUCTIO	N CONFERE	NCE OR SITE VISIT(S) IS	REQUIRED	☐ YES ☐ I	VO	
TRAFFIC CONTRO	DL PLAN IS REQUIR	ED TRAFFIC C	ONTROL PLA	IN SUBMITTED YES	NO TRAFFIC CON	ITROL PLAN APPRO	OVED TYES NO	
SPECIAL CO	ONDITIONS:				•			
FEES			PERMIT APPROVAL					
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CASH BOND AM	OUNT	AUTHORIZED SIGNA	THORIZED SIGNATURE DATE					
DATE PAID			COMPLETION SIGNOFF					
RECEIPT NUMBI	ER	AUTHORIZED SIGNA	TURE			DATE		
		INS	SPECTION	I RECORD				
DATE		co	MMENTS			INSPECTOR	HOURS CHARGED	
	1					i	i	

#### THE FOLLOWING CONDITIONS MUST BE COMPLIED WITH OR REVOCATION OF THIS PERMIT MAY OCCUR.

- Permit required: Division of Occupational Safety & Health Administration (OSHA) section 17922.5 (excavations over 5', building, demolition, structure, falsework or scaffolding over 3 stories, diesel engines in mines or tunnels).
- 2. <u>Liability for Damages:</u> Applicant will indemnify, hold harmless and assume defense of, in any actions of law or in equity, the City of San Ramon, its officers, employees, agents, officials and volunteers from all claims, losses, damages, and liability of every kind, nature and description for personal injury, including death, property damage or damage to business arising out of your work in performance of this permit by the Applicant or any of its contractors or subcontractors. This indemnification shall extend to claim losses, damage, injury and liability for injuries occurring after completion of permitted operations, as well as during the work's progress.
- 3. <u>Liability Insurance:</u> Applicant shall obtain at its sole cost and keep in full force and effect during the term of this permit, and for one year thereafter:
  - a. Commercial general liability insurance in a form and amount acceptable to the City, naming the City of San Ramon, its officials, officers, directors, employees, agents, and volunteers as additional insured. The general liability insurance must be primary with respect to the additional insured; any other insurance available to the additional insured shall be excess and noncontributing.
  - b. Automobile Liability Insurance, occurrence form, with a limit of not less than \$1 million each occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.
  - Workers Compensation in at least the minimum statutory limits.
  - d. Employers' liability insurance, with minimum limits of \$1 million per occurrence.
- 4. Inspector must be notified at least 1 working day prior to starting any work and when work is completed by calling the City of San Ramon Encroachment Inspection Line at (925) 973-2692.
- 5. All excavation requires prior notification of such activity. Applicant shall contact USA at 811 or (800) 227-2600 to verify underground utility locations. Failure to do so will result in revocation of this permit.
- 6. All work shall be in accordance with City of San Ramon Standard Details and Caltrans Standard Specifications unless otherwise noted SPECIAL CONDITIONS on page 1. (Standard Details are available for purchase at the Engineering Services Department, 2401 Crow Canyon Road, San Ramon, CA 94583; Engineering@sanramon.ca.gov).
- 7. All work within public roadways requires a minimum of signs, cones, and flaggers in conformance with the most recent Caltrans standards to conduct traffic safety around construction zones. NOTE: Driveway access to fronting and adjacent properties shall be provided at all times.
- 8. Additional conditions requiring an attachment shall be identified as "Exhibit A" and noted under SPECIAL CONDITIONS on page 1.
- 9. The granting of this permit does not relieve the applicant of the responsibilities of obtaining any other permit required by public or private agencies. (i.e. County, Army Corp., Department of Fish and Game, Caltrans, EBRPD, RWQCB, etc.)
- 10. See below for more standard requirements.

#### I. GENERAL REQUIREMENTS

- A. JOB SITE CONDITIONS Permittee/Contractor agrees that (s) he shall assume sole and complete responsibility for the job site and conditions during the course of construction of this project, including safety of all person and property. Permittee/Contractor further agrees that this requirement shall apply continuously, 24 hours per day, and shall not be limited to normal working hours of 7:30 a.m. to 4:30 p.m.
- **B. PROTECTION** Permittee/Contractor shall provide and maintain enough barricades, lights, signs, flaggers, and other safety measures to protect the public in conformance with the most recent State of California Manual of Traffic Control for Construction and Maintenance Work Zone.
- C. TRAFFIC A City maintained road may not be closed to public traffic without the approval of the City Council. While working, keep one 10-foot wide lane open to traffic at all times. At all other times, two 12-foot wide lanes shall be open.
- D. ACCESS Permittee/Contractor shall maintain existing driveway and pedestrian ingress/egress access for properties adjacent to the work at all times.
- E. EROSION AND SEDIMENT CONTROL Permittee/Contractor shall comply with the requirements and best management practices as required by the State of California Regional Water Quality Control Board and the City's Stormwater (NPDES) permit. This includes protection of all catch basins within the vicinity of construction; maintenance of existing flow line and curb drainage.
- F. UTILITIES AND IMPROVEMENTS Permittee/Contractor shall protect, in place, all existing utilities, and improvements unless specified otherwise in this Permit. The permittee/contractor shall be responsible for the replacement, repair, and restoration, at his/her sole expense, utilities, and/or improvements. This includes but is not limited to landscaping (including irrigation system components), fences, utilities, structures, conduits or improvements damaged or destroyed by the performance of the work permitted herein. Utility protection/relocation is the responsibility of the permittee. This would include but not be limited to the adjustment (lowering, raising and moving laterally) of the utility vaults and valve boxes as a result of any road reconstruction or other City Capital Improvement Projects.
- **G. PUBLIC RIGHTS-OF-WAY-** Permittee/Contractor shall keep all rights-of-way and off site areas clean from all dirt, mud, dust, debris and material stockpiles at all times. Any off-site damage to City streets, found by the City to be the result of this permitted work, shall be repaired by the permittee/contractor, at his/her sole expense, and to the satisfaction of the City of San Ramon.
- H. MONUMENT PRESERVATION Permittee/Contractor shall not disturb any existing survey monuments within the City right-of-way.

  Monuments that are disturbed/removed shall be restored/replaced in accordance with provisions under Section 8771 of the State of California Business and Professional Code at no cost to the City.
- I. CLOSING THE PERMIT The Permittee shall notify the City at least 1 working day, prior to completion of the authorized work under this permit by calling (925) 973-2692. Following such notification, the City will perform an inspection of the encroachment site to assure acceptability of the work and to verify restoration of the right-of-way. The City will continue to hold the Permittee responsible for maintenance of the encroachment, and will retain any security deposits, pending the signoff of the Permit by the City staff.

#### II. STANDARD REQUIREMENTS - DRIVEWAYS (STD Detail C-3 for Residential & STD Detail C-4 for Commercial)

- **A.** The driveway shall not enter a roadway within five feet of existing or planned curb returns; shall not interfere with a legal encroachment or create a hazard or nuisance and shall be spaced to make maximum street parking available.
- **B.** The driveway is to be sloped to prevent sheet flow from crossing the road and shall not interfere with drainage, cause erosion, or deposition of silt. The driveway shall be constructed from the edge of pavement to the property line.
- **C.** Minimum paved driveway construction shall consist of 2-1/2 inches of asphalt concrete pavement on six inches of Class II Aggregate Base within the road right-of-way. The entire portion of concrete driveways within the right-of-way shall consist of a minimum of six inches of Class A concrete over six inches of Class II Aggregate Base.
- D. Minimum concrete driveway construction shall consist of 6 inches of Class A concrete on six inches of Class II Aggregate Base.
- E. The top elevation of the driveway five feet behind the curb is to be 0.60 feet higher than the flow line of the gutter or as approved by the City Engineer.
- F. If an existing driveway depression is not used, it shall be completely removed (curb, gutter, and sidewalk) after making a saw cut at the nearest expansion joint or score mark and replaced with concrete to conform to adjacent improvements to be used at the gutter lip and the pavement restored with asphalt concrete. Replacement sidewalk and gutter shall be doweled (See STD Detail C-1).
- **G.** All broken curb, gutter, and sidewalk shall be completely removed by saw cut at the <u>nearest expansion joint or score mark</u> and replaced to true grade and cross section. The replacement curb, gutter and sidewalk shall be doweled (See STD Detail C-1).

#### III. STANDARD REQUIREMENTS - HANDICAP RAMPS (STD Detail C-5a & C5b)

**A.** If Permittee/Contractor damaged, altered or replaced any element of an existing handicap ramp, the Permittee/Contractor shall be required to replace and bring the existing handicap ramp with the latest ADA compliance standard.

#### IV. STANDARD REQUIREMENTS - STREET CUTS

- A. TRENCH EXCAVATION Do not start work until pipe and other materials are at the site. (Open up only that length of trench, which can be backfilled the same day.) Shoring shall comply with "Trench Construction Safety Orders" of the California State Industrial Accident Commission. Pavement shall be scored to neat lines and removal shall not cause damage to pavement outside the scored lines. Excess excavated material shall be removed immediately from the site.
- B. CROSS TRENCH More than 10-degree angle with the centerline of road or any trench less than 50 feet long in the pavement or within four feet of paved area shall be backfilled with Class II Aggregate Base and the structural section replacement in the paved area.
- C. LONGITUDINAL TRENCH Less than a 10-degree angle with the centerline of road or any trench less than 50 feet long in all paved areas including curbs, sidewalks or other concrete shall be backfilled with Class II Aggregate Base, from the top of pipe bedding to the bottom of the replacement structural section. The remaining trench shall be backfilled with the structural replacement in paved areas. In all other areas, longitudinal trenches may be backfilled from the pipe bedding to the ground surface with suitable material from the excavation or better material. Controlled density backfill may be used.
- D. COMPACTION The relative compaction of all trench backfill up to 5.0' below the structural section subgrade shall not be less than 90 percent. The structural section shall be compacted to not less than 95 percent. No jetting allowed. Testing and results shall be required prior to paving.
- E. TEMPORARY PAVING Temporary paving (or permanent paving) shall be placed at the end of each workday. Temporary pavement shall be Class A asphalt concrete with 1-1/2" minimum thickness and shall be replaced within four weeks with permanent pavement.
- F. BASE AND PAVEMENT REPLACEMENT The roadway structural section shall be placed as stated in the permit. Otherwise, replacement shall be in kind except that the minimum replacement shall be the existing thickness of asphalt concrete or the minimum thickness per City STD Detail M-3.
- **G. TRAFFIC CONTROL DEVICES** Unless otherwise specified, all traffic control devices and delineations removed by the permittee/contractor as part of the Permit shall be replaced in kind or better, at no cost to the City.
- H. RECENTLY RESURFACED ROADWAY If the City has recently (within the last 3 years) resurfaced the roadway (slurry seal, overlay/inlay, etc) in which the Utility Agency is requesting trench work (including emergency repair work), then the Utility Agency will restore the roadway by slurry seal, pavement inlay/overlay, or pay "in-lieu" fees as directed by the City Engineer.

#### V. STANDARD REQUIREMENTS - SIDEWALK DRAINS

- A. Install a three-inch inside diameter smooth wall, Schedule 40 PVC pipe through the curb and sidewalk (See STD Detail SD-14). For retrofit, saw cut and remove one panel of sidewalk, curb, and gutter. Pipe flow line shall match gutter flow line and pipe shall be cut off flush with face of curb. Sidewalk concrete shall encase pipe in three-inch concrete jacket. Replace curb, gutter, sidewalk and pavement to match adjacent improvements (STD Detail C-1).
- **B.** Core boring to the curb is allowed at discretion of inspector. Any damage by core boring must be repaired by saw cut and removed as stated above (A) per STD Detail SD-14.

#### VI. STANDARD REQUIREMENTS - DUMPSTERS AND PODS

**A.** Dumpsters and PODS placed on the street <u>shall have a reflective device</u>, placed in front and back that can be seen by oncoming traffic. Dumpsters and PODS shall not protrude into traveled way or bike lane.

#### VII. STANDARD REQUIREMENTS - SWIMMING POOLS

- A. Equipment shall not be left on street.
- B. Any blockage of driveway egress and materials stockpiles shall be removed at the end of workday.
- **C.** Inspection of egress areas shall be conducted before work begins and after work is completed. Damage to these areas shall be restored at the sole expense of the permittee/contractor.
- D. Undersidewalk Crossdrain per Section IV requirements to be installed if necessary. If the cross drain will be installed by a contractor other then the pool contractor, then a separate encroachment permit will be required.
- E. If subdrains or toe drains are encountered during excavation for the project, the applicant shall stop work, call Engineering Services @ (925) 973-2670, repair the subdrain, and/or modify the design of the wall so as not to interfere with the drain.
- F. Contractor shall call (925) 973-2692 for a final of the engineering permit prior to the sign off from the Building Department.

## APPENDIX E

**Town of Danville Encroachment Permit Application** 



# **ENCROACHMENT PERMIT**



# ENGINEERING SERVICES

ENCROACHMENT PERMIT TO DO WORK IN ACCORDANCE WITH THE ORDINANCE CODE OF THE TOWN OF DANVILLE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

	Permit No
Address:	Fee
	Bond
Phone:	
	P IT AT THE WORK SITE. TO ARRANGE FOR INSPECTIO
DATE WORK IS TO BE COMPLE	ETED BY
	in a new permit unless an extension has been previously authorized)
WORK LOCATION:	
DESCRIPTION OF WORK:	
SPECIAL REQUIREMENTS: (To be filled in by Permit Engineer	)
	ERMIT FOR STANDARD REQUIREMENTS
SEE REVERSE SIDE OF PE  The permittee agrees to save, indemnify and hold ha imposed by law by reason of injury to or death of any pers covered by this permit and does agree to defend the Town in	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities son or persons or damage to property which may arise out of the work n any claim or action asserting such liability.
SEE REVERSE SIDE OF PE  The permittee agrees to save, indemnify and hold hal imposed by law by reason of injury to or death of any pers covered by this permit and does agree to defend the Town in Accepting this permit or starting any work hereunder, so	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities con or persons or damage to property which may arise out of the work in any claim or action asserting such liability.  shall constitute acceptance and agreement to all of the conditions and tions authorizing issuance of such permit.
SEE REVERSE SIDE OF PE  The permittee agrees to save, indemnify and hold hal imposed by law by reason of injury to or death of any pers covered by this permit and does agree to defend the Town in Accepting this permit or starting any work hereunder, so requirements of this permit and the ordinance and specifical	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities son or persons or damage to property which may arise out of the work n any claim or action asserting such liability.
SEE REVERSE SIDE OF PE  The permittee agrees to save, indemnify and hold had imposed by law by reason of injury to or death of any persovered by this permit and does agree to defend the Town in Accepting this permit or starting any work hereunder, so requirements of this permit and the ordinance and specifical Signature of Permittee	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities son or persons or damage to property which may arise out of the work in any claim or action asserting such liability.  shall constitute acceptance and agreement to all of the conditions and tions authorizing issuance of such permit.  Steven C. Lake
SEE REVERSE SIDE OF PE  The permittee agrees to save, indemnify and hold hal imposed by law by reason of injury to or death of any pers covered by this permit and does agree to defend the Town is Accepting this permit or starting any work hereunder, so requirements of this permit and the ordinance and specifical Signature of Permittee  Signature:	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities son or persons or damage to property which may arise out of the work in any claim or action asserting such liability.  shall constitute acceptance and agreement to all of the conditions and tions authorizing issuance of such permit.  Steven C. Lake City Engineer  Signature:
The permittee agrees to save, indemnify and hold hat imposed by law by reason of injury to or death of any persecovered by this permit and does agree to defend the Town is Accepting this permit or starting any work hereunder, so requirements of this permit and the ordinance and specificates Signature of Permittee  Signature:  Date:	ERMIT FOR STANDARD REQUIREMENTS  rmless the Town of Danville or its representatives from all liabilities son or persons or damage to property which may arise out of the work in any claim or action asserting such liability.  shall constitute acceptance and agreement to all of the conditions and tions authorizing issuance of such permit.  Steven C. Lake City Engineer

#### I. GENERAL INSTRUCTIONS

- A. WORK MUST BE INSPECTED Phone 925-314-3354 at least 48 hours before starting or resuming work. The inspector will answer questions regarding work related issues. Work without inspection may have to be removed or done over again.
- B. PROTECTION Provide and maintain enough barricades, lights, signs, flaggers and other safety measures to protect the public in conformance with the State of California Manual of Traffic Controls For Construction and Maintenance Work Zones.
- C. TRAFFIC A Town maintained road may not be closed to public traffic without the approval of the Town Council. While working, keep one 10-foot wide lane open to traffic; at other times, two 10-foot wide lanes shall be open.
- D. STANDARDS Work shall be in accordance with the Town Ordinance Specifications and Standard Drawings.
- E. UTILITIES Utility relocation is the responsibility of the permittee.
- F. UNDERGROUND SERVICE ALERT (USA) Phone 1-800-227-2600 prior to excavating in road right of way.

#### II. STANDARD REQUIREMENTS - DRIVEWAYS - checked items apply

- A. The driveway shall not enter a roadway within five feet of existing or planned curb returns; shall not interfere with a legal encroachment or create a hazard or nuisance and shall be spaced to make maximum street parking available.
- **B.** The driveway is to be sloped to prevent sheet flow from crossing the road and shall not interfere with drainage, cause erosion or deposition of silt. The driveway shall be constructed from the edge of pavement to property line.
- C. Minimum paved driveway construction shall consist of two inches of asphalt concrete pavement on six inches of Class II Aggregate Base within the road right of way. The entire portion of concrete driveways within the road right of way shall consist of a minimum of six inches of Class B concrete over three inches of Class II Aggregate Base.
- **D.** The driveway elevation at the property line shall be within one foot of the elevation of the near shoulder and shall merge with the shoulder to preserve the roadbed section.
- E. Shape a valley gutter across the driveway to match the flow line of the existing roadside ditch.
- F. Install a culvert for full width of driveway. This culvert is to be laid to the flow line grade of the existing roadside ditch. Only galvanized corrugated steel, corrugated aluminum, reinforced concrete or approved plastic pipe may be used. Installation shall conform to the pipe fabricator's specifications for loading, cover and backfill requirements.
- G. Minimum concrete driveway construction shall consist of 6" of Class B concrete on three inches of Class II Aggregate Base.
- H. The top elevation of the driveway five feet behind the curb is to be 0.60 feet (71/4 inches) higher than the flow line of the gutter.
- I. If an existing driveway depression is not used, it shall be completely removed (curb, gutter and sidewalk) after making a saw cut at the nearest expansion joint or scoremark and replaced with concrete to conform to adjacent improvements form board to be used at the gutter lip and the pavement restored with asphalt concrete. Replacement sidewalk and gutter shall be doweled (See Std Plan 110).
- J. All broken curb, gutter and sidewalk to be completely removed by saw cut at the nearest expansion joint or score mark and replaced to true grade and cross section. The replacement curb, gutter and sidewalk shall be doweled (Std Plan 110).
- K. The following template will be used to determine acceptable clearances. The template will be 18'-6" long and have two six-inch projections from its bottom plane, one located three feet and one five feet from an end. This template shall be used to control finish grades.

#### **III. STANDARD REQUIREMENTS - STREET CUTS**

- A. TRENCH EXCAVATION Do not start until pipe and other materials are at the site. Open up only that length of trench which can be backfilled the same day. Shoring shall comply with "Trench Construction Safety Orders" of the California State Industrial Accident Commission. Pavement shall be scored to neat lines and removal shall not cause damage to pavement outside the scored lines. Excess excavated material shall be removed immediately from the site.
- B. CROSS TRENCH more than 10 degree angle with the centerline of road or any trench less than 50 feet long in the pavement or within four feet of paved area shall be backfilled with Class II Aggregate Base and the structural section replacement in the paved area.
- C. LONGITUDINAL TRENCH less than 10 degree angle with the centerline of road and greater than 50 feet long in all paved areas including curbs, sidewalks or other concrete shall be backfilled with Class II Aggregate Subbase (or better material), from the top the top of pipe bedding to the bottom of the replacement structural section. The remaining trench shall be backfilled with the structural replacement in paved areas. In all other areas, longitudinal trenches may be backfilled from the pipe bedding to the ground surface with suitable material from the excavation or better material.
- D. COMPACTION The relative compaction of all trench backfill below the roadway structural sections shall not be less than 90 percent. The structural section shall be compacted to not less than 95 percent. No jetting is allowed under any paved roadway or within a distance of four feet from the edge of existing pavement. Backfill shall be compacted by impact, vibration or any combination of these. Jetting will be allowed only when more than four feet from the pavement and when the backfill and trench are suitable for jetting and shall be supplemented with mechanical compaction in four foot maximum layers.
- E. TEMPORARY PAVING Temporary paving (or permanent paving) shall be placed at the end of each work day. Temporary pavement shall be 1½ inch minimum thickness and shall be replaced within four weeks with permanent pavement.
- F. BASE AND PAVEMENT REPLACEMENT The roadway structural section shall be replaced as stated in the permit. Otherwise, replacement shall be in kind except that the minimum replacement shall be two inches of asphalt concrete and 16 inches of Class II Aggregate Base.

#### IV. STANDARD REQUIREMENTS - SIDEWALK DRAINS

A. Install a three inch inside diameter smooth wall, non-corrosive pipe through the curb and sidewalk (see Std Plan 109). For retrofit, saw cut and remove one panel of sidewalk and 1-foot of curb only (do not remove gutter). Pipe flow line shall match gutter flow line and pipe shall be cut off flush with face of curb. Sidewalk concrete shall encase pipe in three-inch concrete jacket. Replace curb, gutter, sidewalk and pavement to match adjacent improvements (Std Plan 110).

## APPENDIX F

**Contra Costa County Encroachment Permit Application** 



Permit No.:	
Road No.:	
Area	
TBM	
USA No.:	
ed Tax ID No.:	

APPLICATIO	ON AND PERMIT CENTER		
Work Order/Job #	ENCR	OACHMENT PERM	Rev 5/7/14
Type of Encroachm	nent Permit: ☐ Small ☐ Large ☐ Utility	For Office Use Only County Project/W.O	Permit Violation
Permit Fee \$	Inspection Fee \$	Cash Bond \$	Receipt No.: G-
Permit to do work in accordance with Title 10 of the Ordinance Code of Contra Costa County, County Standard Plans and Specifications, and any Special Requirements shown or listed herein. Read both sides of this Permit and all the attachments carefully. Keep this Permit at the work site.  Permittee:  Contractor:			
Address:		Address:	Contractors License #
City/State/Zip:		City/State/Zip:	
<b>Contact Person:</b>		elephone No.:	Fax No.:
Email Address:			Cell Phone No.:
<b>Expiration Date:</b> All work described in this permit, including finish paving, shall be completed on If all work covered by this permit, including finish paving is not completed by this date, you must acquire a new permit.			
Permitted Activit	ty: Excavate Curb, 0	Gutter, Sidewalk* 🗆 Yes 🗆 N	o Excavate AC Pavement* □ Yes □ No
Emergency Contact Person:  *Excavation Permits Require An Emergency Contact Available 24/7. PERMITS FOR EXCAVATION REQUIRE A CURRENT USA NUMBER.  Start Date:  *Permit applications with more than 30 calendar days between the start and completion date must be accompanied by a detailed construction schedule			
			be accompanied by a detailed construction schedule
Site Address:	with more than 30 calendar days between t		be accompanied by a detailed construction schedule  APN:
General Permit Condi  1. ALL WORK ML  office at (925) 3 2. You must sched date the permit does not guarar 3. Standard Road Items Attached or Re  General Permit The Permittee agrees law by reason of inj condemnation, which any daim or action as	tions:  JET BE INSPECTED. ARRANGE for an IN  — @pw.cccounty.us at least two working it is a final inspection.  B13-2320. WORK DONE WITHOUT NOTE in it is a final inspection. By phoning you was signed off by the Public Works Constitute the work performed under this permit if it is deferred to Herein and Made Part Hereof:  Conditions Attachment; □  Is to save, indemnify and hold harmless the jury to or death of any person(s) or dan in may arise out of the work covered by this seserting such a liability. Accepting this perr	ISPECTION by phoning	or email ou can not reach the inspector contact the construction contact the construction and/or bonds will be processed 90 days from the mit from another permitting agency or utility company ack of this permit apply. READ CAREFULLY.  Conditions; Preserving Survey Monumentation; s, employees and agents from all liabilities imposed by at limitation liability for trespass, nuisance or inverse the County, its officers, employees and agents against shall constitute acceptance and agreement to all of the
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#### STANDARD ROAD ENCROACHMENT PERMIT CONDITIONS

#### I. GENERAL INSTRUCTIONS

- WORK MUST BE INSPECTED Work done without inspection may have to be removed and be reconstructed.
- PROTECTION Provide and maintain enough barricades, lights, signs, cones, flaggers and other safety measures to protect the public, in accordance with the current California Manual on Uniform Traffic Control Devices.
- 3. TRAFFIC A County road may not be closed to public traffic without the approval of the Board of Supervisors. Unless noted otherwise in attached General or Special Road Encroachment Permit Conditions, keep a minimum of one 10' wide traffic lane open to traffic while working; at all other times, two 10' wide lanes shall be open.
- STANDARDS Work shall be in accordance with the latest edition of Caltrans Standard Specifications and Plans and County Standard Specifications and Plans.
- UTILITIES Utility relocations are the responsibility of the permittee.
- 6. UNDERGROUND SERVICE ALERT (USA) Must be contacted prior to excavating in a County road right of way. Telephone 811. Any work found in progress without a valid USA number will be shut down and the roadway cleared. All USA and/or temporary survey pavement markings shall be removed by the permittee at the completion of work to the satisfaction of the County Public Works construction inspector.
- SURVEY MONUMENTS SHALL BE PROTECTED. Any survey monuments removed, or disturbed, shall be replaced using surveying practices
  acceptable to the County Surveyor, who can be contacted at (925) 313-2343.
- 8. FIELD CHANGES Any modification due to field conditions must be approved by the inspector.
- 9. IF WORK is performed <u>without a permit</u>, the fee shall be <u>double</u> the amount per fee schedule or a <u>minimum</u> of \$300. All work performed <u>without</u> a permit is subject to removal and/or reinstallation.
- 10. STAFF CHARGES Permittee is responsible for all staff charges associated with the permit. Any exceptions must be resolved before the permit is issued. Permits will not be signed off as complete until all the review and inspection charges are paid in full.

#### II. SPECIAL REQUIREMENTS - DRIVEWAYS (DRIVEWAY SHALL BE CONSTRUCTED FROM EDGE OF PAVEMENT TO PROPERTY LINE)

- 1. Minimum driveway construction shall consist of 2" of asphalt pavement on 6" of Class 2 Aggregate Base. Concrete driveways within the County road right of way shall consist of a minimum of 6" of Class 3 concrete over 3" of Class 2 Aggregate Base. The driveway is to be sloped to prevent storm water runoff to flow onto the County road and shall not interfere with roadside drainage or cause erosion or deposition of silt.
- The driveway location shall comply with County Standard Plan No. CA70, shall not interfere with a legal encroachment or create a hazard or nuisance, and shall be spaced to make maximum street parking available.
- 3a. The top elevation of driveway 5' behind curb is to be .60' or 7 1/4" higher than the flow line of the gutter.
- 3b. The driveway elevation at the property line shall be within 1' of the elevation of the near shoulder and shall merge with the shoulder to preserve the roadbed section.
- 4. If existing driveway depression is not used, it shall be completely removed (curb, gutter and sidewalk) by saw cut at next nearest expansion joint or score mark and replaced with concrete to conform to adjacent improvements form board to be used at gutter lip and the pavement restored with asphalt concrete. Sidewalk and curb which is replaced shall be doweled. (See County Standard Plan No. CA 74)
- 5. Existing curb and gutter, or curb, gutter and sidewalk shall be removed for full width of driveway with saw cut at next nearest expansion joint or score mark. (See County Standard Plan No. CA 70) A form board must be used at the gutter lip and the pavement restored with asphalt concrete. The new sidewalk and curb shall be doweled. (See County Standard Plan No. CA 74)
- 6a. Where driveways connect to County roads without curbs, shape a valley gutter across the driveway. The flow line shall match the flow line of existing roadside ditch.
- 6b. Install a culvert for full width of driveway. This culvert is to be laid to the flow line grade of existing roadside ditch. The minimum culvert diameter is 18".
- 7. Driveway grade breaks shall comply with County Standards (See County Standard Plan No. CA 20)
- All broken curbs, gutters and sidewalks shall be completely removed by saw cut at nearest expansion joint or score mark and replaced to true grade and cross-section. The new curb and sidewalk shall be doweled. (See County Standard Plan No. CA 74)

#### III. SPECIAL REQUIREMENTS - STREET CUTS (See County Standard Specifications for Detailed Requirements).

- TRENCH EXCAVATION Trench excavation and backfill requirements shall follow County Standard Plan No. CU01. Prior to the start of the work covered under this encroachment permit:
  - a. Any deviation proposed from the backfill material or asphalt concrete specified on the Standard Plan shall be approved by the Public Works Department's construction inspector.
  - b. Any deviation proposed from the trench excavation specified on the Standard Plan shall be approved by the Public Works Department's construction inspector.
- The Permittee shall not excavate trenches in advance of pipe placement. No more trench shall be excavated than can be finished, including pipe placement, backfill and temporary paving on the same day. Shoring shall comply with current CAL-OSHA safety orders.
- For trench backfill in other road right-of-way areas, the trench backfill shall consist of existing material or suitable backfill material as approved by the inspector. The trench backfill shall have a minimum relative compaction of 90 percent.

No jetting is allowed under any paved roadway or within a distance of 4' from the edge of existing pavement. Backfill shall be compacted by impact, vibration or any combination of these. Jetting will be allowed only when more than four feet from the pavement and when the backfill and trench are suitable for jetting and shall be supplemented with mechanical compaction to obtain required relative compaction.

4. TEMPORARY PAVING - Temporary paving (or permanent paving) shall be placed at the end of each work day and shall have a minimum thickness of 1.5" of ½-inch, Type A asphalt concrete. The permittee shall maintain the temporary trench paving until the permanent paving is performed.

#### IV. SPECIAL REQUIREMENTS - SIDEWALK DRAINS

1. Install a 3" inside diameter non-corrosive pipe through curb or through curb and sidewalk. One panel of sidewalk, curb and gutter, or where there is no sidewalk, 1' of curb only (don't remove gutter) to be removed by a saw cut. Pipe flow line shall match gutter flow line, and pipe shall be cut off flush with face of curb. Sidewalk concrete shall encase pipe in 3" concrete jacket. Replace curb, gutter, sidewalk and pavement to match adjacent improvements. (See County Standard Plan No. CD06)

### **INVITATION FOR BID (IFB)**

# FOR I680 SOUTH EXPRESS LANES PROJECT IN ALAMEDA AND CONTRA COSTA COUNTIES ON ROUTE 680 PM R20.1/21.9, R0.0/14.0, DATED APRIL 28, 2015 AS AMENDED MAY 19, 2015

## QUESTIONS RECEIVED FROM BIDDERS' CONFERENCE HELD ON MAY 20, 2015 AND OTHER QUESTIONS SUBMITTED

#### Q1: What is the engineer's estimate for this project?

A1: The original engineer's estimate for the project was fifteen million two hundred thousand dollars (\$15,200,000) however the estimate was increased by one million two hundred thousand dollars (\$1,200,000) to sixteen million four hundred thousand dollars (\$16,400,000) with the changes in Addendum #1 dated May 19, 2015.

# Q2: Are there any Disadvantaged Business Enterprise (DBE) goals or other Small Business Enterprise (SBE) goals associated with this procurement?

A2: No, however BAIFA is committed to the participation of DBEs and SBEs in MTC contracting opportunities. BAIFA encourages Prime Contractors to utilize DBE and SBE subcontractors. And, DBE and SBE firms are encouraged to submit proposals in response to BAIFA procurements.

#### **O3:** Minimum Insurance Requirements:

- 1) Are the minimum insurance requirements for specialty or general contractors?
- 2) While most general contractors will be able to meet the umbrella insurance requirement, almost zero subcontractors will be able to meet this requirement. This policy either needs to be lowered or changed to only apply to general contractors.
- 3) E & O Insurance is not typically required in Civil Construction projects, can this requirement be removed?
- 4) Please clarify the difference between "Representative Name and Title" and "Name of Authorizing Official" on IFB Part 5, <u>Bid Forms</u>, Bid Form #7, Insurance Certificate Checklist on page 57 and IFB Part 6, <u>Special Conditions</u>, SC-2, Insurance on pages 62 66.
- A3: 1) See IFB Part 6, <u>Special Conditions</u>, SC-2.1, Minimum Insurance Requirements, first sentence in paragraph #1, page 62.
  - 2) See IFB Part 6, <u>Special Conditions</u>, SC-2.1, Minimum Insurance Requirements, first sentence in paragraph #2, page 63.
  - 3) Yes, See Addendum #2, Item #5 & Item #6.
  - 4) "Representative Name and Title" and "Name of Authorizing Official" may be the same individual or may be two different individuals within the Bidder organization. The Project Manager within a Bid might not be the individual authorized to sign the Contract documents.
- Q4: Does BAIFA expect to make any changes to the dates found in IFB Part 1, Notice to Bidders, Bidder Selection Timetable? Can the Bid Deadline be extended two weeks?

- A4: See Addendum #2, Item #1 and Item #2.
- Q5: Since you are using the 2010 Caltrans Specifications, will dispute resolution be conducted as a Dispute Resolution Board, or does it go to BAIFA?
- A5: See IFB Part 7, <u>General Conditions</u>, GC-68, Potential Claims and Dispute Resolution, page 124.
- O6: Can you explain the funding and what sources they are from?
- A6: All project funding is local; the source is Bay Area Toll Authority Express Lane funds.
- Q7: The IFB documents indicate that this project has a 300 working day duration however the table located in IFB Part 10, <u>Construction Details</u>, on page 136 provides that the Toll System Integrator (TSI) installation and department-arranged time for the relocation is a total of 360 working days (120 x 3). Please clarify.
- A7: The table located on page 136 of IFB Part 10, <u>Construction Details</u>, defines the time needed by the TSI contractor to do its installation and testing once the Civil contractor is finished in each of these three locations. The 120 working days for each location described in the table can be concurrent.
- Q8: What is the method of payment for edgedrain outlets? Please provide a detail and/or additional information for the edgedrain removal. Once the edgedrain is removed, what material(s) will be required to fill the void?
- A8: There is no edge drain outlet in the contract plans. For edge drain and cleanout details, please see Caltrans 2010 Standard Plan D99C. For backfill materials, see Appendix A, Contract Drawings / Plans, sheet 111 of 617, Drainage Details DD-3.
- Q9: What is the method of payment for underdrain outlets? Please provide a detail and/or additional information for the underdrain removal. Once the underdrain is removed, what material(s) will be required to fill the void?
- A9: There is no underdrain outlet in the contract plans. For backfill materials, underdrain and cleanout details, please see Appendix A, Contract Drawings / Plans, sheet 111 of 617, Drainage Details DD-3.
- Q10: When completing IFB Part 5, <u>Bid Forms</u>, Bid Form #5, Designation of Subcontractors, are bidders required to include portion of work and bid items or portion of work or bid items (both or one or the other)? If bid items are required, are bidders also required to list the percentage of work by bid item? The subcontractor listing form does not include a column for percentage of bid item.
- A10: IFB Part 5, <u>Bid Forms</u>, Bid Form #3 requires Bidder to provide both the portion of work and bid items for each proposed subcontract in the space provided. Bidder is not required to list the portion of work by bid item, only total portion of work for each proposed subcontract.
- Q11: Per IFB Documents this project has a duration of 300 days however Civil work is schedule to be completed by day 169. 1) As the general contractor, what work are we responsible for between working day 169 and day 300? 2) Why is this contract 300

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## working days? 3) Should the "K" rail be left in place between day 169 and day 300 or move it out after 169 days are over?

- A11: 1) The Civil Contractor is responsible for maintaining the improvements constructed as part of the Contract from working day 1 through Contract completion.
  - 2) Between day 169 and day 289, the Civil Contractor is waiting for the TSI contractor to finish its installation work and testing. Once the TSI contractor is finished with this work the Civil Contractor will need to finish the Civil Contract work required (barrier mounted signs, striping, uncovering overhead signs, etc.) to open the Express Lane.
  - 3) "K" rail must be removed by or before day 169.
- Q12: If the TSI can come on site within 169 days, will the sections the TSI works on be accepted by BAIFA before control is turned over?
- A12: See IFB, Part 10, Construction Details, Division II General Construction, Section 10 General, page 139-140 for a detailed protocol for turning over Civil improvements to the TSI contractor.
- Q13: What is the contractor's responsibility for maintenance during construction? Is the contractor required to assume all of Caltrans maintenance duties?
- A13: The Civil Contractor is responsible for maintaining the improvements constructed as part of the Contract from working day 1 through Contract completion.
- Q14: How does one complete construction of the Temporary Terminal Section (Type K) the same night that the k-rail is set? If the lanes are opened to traffic in the morning and this piece is not complete, there will be a blunt end exposed to traffic.
- A14: Per Caltrans Standard Plan T5, Installation of the Temporary Terminal Section (Type K) will be required on the first night of "K" rail installation. No blunt ends will be allowed once night time traffic control is removed.
- Q15: Does the requirement that the general contractor do at least 30% of the work apply to this contract? Are the 30% specialty items going to be designated? Is there a limit to how much a prime contractor can do? Can it do 0%?
- A15: See Addendum #2, Item #12. IFB, Part 10, Construction Details, Section 5, Control of Work has been revised. The Prime Contractor will be required to do 15% of the value of the original total bid.
- Q16: Is there a bid item for the slope paving at Sta. 902+00?
- A16: See Addendum #2, Item #15, Project Plan Sheet #460.. The quantity of concrete slope paving is added to minor concrete (miscellaneous construction).
- Q17: Please provide roadway elevation information along each side the new median barrier. This information is necessary to determine the offsets of the new and existing barriers. Where can we find the roadway offsets (difference between finish grades on the right side and the left side) of the existing concrete barriers which are being replaced on this project? This offset can vary by as much as 36" and an accurate value for each location is needed to accurately calculate:

Page 30

- 1. The volume of concrete and rebar to be removed in the existing barrier,
- 2. The volume of structure excavation and backfill,
- 3. The volume of concrete in the new barriers,
- 4. The quantity of reinforcing steel in the new barriers,
- 5. The height of the galvanized steel plates in the new Type 60R barriers,
- 6. The volume of fill between the walls of the new Type 60GE and Type 60R barriers.

# All these factors play a role in being able to accurately estimate the cost of this work. Please provide this necessary information.

- A17: IFB Appendix A, <u>Contract Drawings and Plans</u> provide project Layout Sheets, Construction Details, and Summary of Quantities sheets provide sufficient information to calculate and estimate the cost for items mentioned above. An information handout for stations, offsets, elevations of median concrete barrier is provided as a supplemental document to help the contractor to determine the quantities faster and easier.
- Q18: Can you check the quantity for Bid Item #50? It seems that no matter the depth of the inlet, the quantity is the same.
- A18: See Addendum #2, Item #4, the quantity for bid item #50 is revised.
- Q19: Will there be any staging provided? Is there an area within the right-of-way that we can use as a laydown or yard?
- A19: No staging area will be provided. No area within the right-of-way will be provided for a construction yard.
- Q20: Has the BAIFA started the permit process with PG&E? What is the current status of the permit process? Who is responsible for the schedule risk associated with PG&E during design, application and construction? Does BAIFA have PG&E commitment plans and PM number assigned by PG&E for ALL electrical service locations? Are all PG&E related delays paid for by BAFA?
- A20: See IFB Appendix A, Contract Drawings and Plans, Project sheets 462 through 566 for "E" sheets for the work required by the Civil Contractor. Civil Contractor must coordinate with PG&E for inspection of conduit into their facilities (underground box or pole). BAIFA has worked with PG&E and will provide service agreements and PG&E plan sheets for all 26 service locations for the I-680 Express Lane Project, 2 locations are outside the project limits and not part of this contract. BAIFA to provide updates on PG & E service agreements as available.
- Q21: The work in median added under Addendum #1 requires additional K-rail to accommodate safe construction of the Backhaul Communication intercept work. Please revise Stage Construction Traffic Handling plans to extend K-rail to protect construction operations for this added work OR revise the Backhaul Communication intercept locations to within the K-rail limits as shown on current plans.
- A21: See IFB Addendum No. 1, dated May 19, 2015, for plan sheet EE-20 which shows steel plates to cover bore pit area as needed during construction of the conduit relocation and

pull box installation. The Backhaul Communication intercept work beyond the k-rail limits outlined in the Contract Documents could be completed using nightly lane closures.

- Q22: The working day milestones are too aggressive; request that the milestones for each Location be increased by 60 working days.
- A22: Request denied. Milestone dates will stay as they are specified in the IFB, Part 10, <u>Construction Details</u>, Section 8, Prosecution and Progress under the heading "Add to section 8-1.10B:", Page 137 & 138.
- Q23: The allowed Owner review time for submittals will prevent Contractor from achieving schedule milestones. Please revise Owner review time for submittals to 10 working days.
- A23: Request denied. IFB Part 6, <u>Special Conditions</u>, SC-6.5, Time for Submittal, page 68 will not be changed.
- Q24: IFB Addendum No. 1, dated May 19, 2015, directs the contractor to cut the existing fiber cable and only install a pull tape in the re-routed conduits. Bid documents do not disclose what systems the existing fiber is servicing. Is there Fiber Optic line in the existing conduit in the median? If yes, is it active and does it need to remain operational during construction?
- A24: The fiber will be disconnected prior to the start of work by the Civil Contractor and does not need to remain in service.
- Q25: Please review installation requirements of the VTMS LED panels to be installed on the overhead sign panels as specified in section 10-1.03 of the special provisions as they are not achievable. Because of the size of the completed sign panels, each sign panel will be made up of six individual laminated panels. Each individual laminated panel is attached to mounting beams only after the beams are bolted to the sign structure truss. All of this needs to be completed prior to the installation of the VTMS LED panels in order to insure the LED panels, conduit and junction boxes do not conflict with the mounting of the sign panel to the mounting beams. Additionally, the size of the completed sign panel on the truss will prohibit transporting it from a warehouse to the jobsite, thus the installation of the sign panels and VTMS LED panels must take place on the jobsite at each individual sign location. Please confirm.
- A25: See Addendum #2, Item #13. IFB Part 10, <u>Construction Details</u>, Division II, General Construction, 10 General which states that a warehouse needs to be provided for the TSI contractor to install the VTMS LED bricks, fitting on the ground is necessary. The VTMS sign panels, prior to attaching them to the mounting beams bolted to the sign structure, must be made available to the TSI before you install the whole assembly over the roadway in a secure warehouse environment located no more than 20 miles from the project site. The size of the warehouse shall not be less than 5,000 sf.
- Q26: Reference is made to Section 10-1.03 of the RSS for Section 10-1 which states that the VTMS sign panels must be made available to the TSI before you install the whole assembly over the roadway in a secure warehouse environment located no more than 10 miles from the project site. Request is hereby made that the distance to secure

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- warehouse be increased from 10 miles to 20 miles from the project site. Please confirm.
- A26: See Addendum #2 Item #13 which revises the distance limit for a secure warehouse environment from 10 miles to 20 miles.
- Q27: Does the I-680 Express Lanes Project in Alameda County and Contra Costa counties require concrete pavers and will BAIFA purchase those through a supplier or will the winning Bidder be required to purchase all materials needed for the project?
- A27: Successful bidder is required to purchase all material needed for this project. Per IFB Part 7, General Conditions, GC-42, Source of Materials on Page 106, "You are completely responsible for locating, identifying, and furnishing all materials required to be furnished under this contract".
- Q28: Per IFB Appendix A, <u>Contract Drawings and Plans</u> sheet L-17, STA 686+00, there is a callout for Concrete Barrier (Type 60P) but when you reference back to the stage construction drawings, there is no Temporary Barrier or staging plans. How do you propose to construct this barrier?
- A28: See Addendum #2, Item #16, Contracts Drawings and Plans, Replaced Project Plan Sheets 207 209, 273, and 274. Traffic Handling Plans are revised to show K-rail for concrete barrier (type 60P) installation at station 686+00 and station 701+00.
- Q29: What are the traffic control requirements for general contractors?
- A29: The Civil Contractor is responsible for traffic control to complete the Civil contract as shown on the contract plans.
- Q30: Is the contractor responsible for traffic control to support TSI? What support is the contractor responsible to provide the TSI?
- A30: Civil Contractor is not responsible for traffic control to support TSI. Civil Contractor does not need to support TSI contractor but will need to coordinate the Civil work with TSI work.
- Q31: Who is responsible for outside source inspection (ex. Welding, Sign Fabrication)?
- A31: See IFB Part 7, <u>General Conditions</u>, GC-48, Inspection, on page 107. BAIFA is responsible for source inspection. The contractor is responsible for quality control.
- Q32: Who is the TSI? Can you provide contact information?
- A32: TSI (Toll System Integrator) is a separate contract. Contact information will be provided once the Civil Contract is awarded.
- Q33: Does the time allotted for Department review include Caltrans Materials Engineering and Testing (METs) review time?
- A33: Yes. See IFB, Part 6, Special Conditions, SC 6.5 Time for Submittal, page 68.

- Q34: Since the project has disturbed soil more than 1 acre because of the Aerially Deposited Lead (ADL) and construction excavations and the Section 6 of the Storm Water Data Report (SWDR) required Storm Water Pollution Prevention Plan (SWPPP) during construction, why this project is a Water Pollution Control Program (WPCP) not a SWPPP project? Will there be any landscaping area?
- A34: The Disturbed Soil Area (DSA) for the project is 0.72 acres which is shown on the first page of the SWDR. Since DSA is less than 1 acre, this project is a WPCP. Section 6 of the Storm Water Data Report (SWDR) provided as a Supplemental Document required SWPPP during construction in error. A revised SWDR is provided to Bidders as a Supplemental Document found at <a href="http://bids.mtc.ca.gov/procurements/198/edit">http://bids.mtc.ca.gov/procurements/198/edit</a>, see page 11 of the revised report which now correctly indicates the project as a WPCP project.
- Q35: Do the contractors have to do all the layouts and staking? What is the bid item for this work?
- A35: See IFB, Part 10, <u>Construction Details</u>, Division I, General Provisions, Section 5, subsection "Replace section 5-1.26" on page 135. Contractor is responsible for surveying. Surveying is included in the items of work and there is no separate pay item.
- Q36: IFB Addendum No. 1, dated May 19, 2015, added a considerable amount of work, are you considering extending the milestone dates?
- A36: No time will be added. Work needs to be done in a separate operation and the first work performed. IFB Addendum No. 1, dated May 19, 2015, states "The first order of work must be to install the conduit and pull boxes for the backhaul communications work as shown".
- Q37: How are the sign procurement timeframes and potential schedule impacts accounted for in the work schedule and milestones days?
- A37: Procurement timeframes were accounted for in milestone due dates.

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